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J. F. NOLL & CO., INC.

62.57
ALEXANDER FORBES, *PRES.*

115 MULBERRY ST.
NEWARK, N. J.

EVERY GARDEN
REQUISITE

1917
RECEIVED
OCT 21 1917
F. J. NOLL & CO., INC.



LAXTONIAN
PEAS

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NOLL'S
TULIP
POPPY

Watching Things Grow

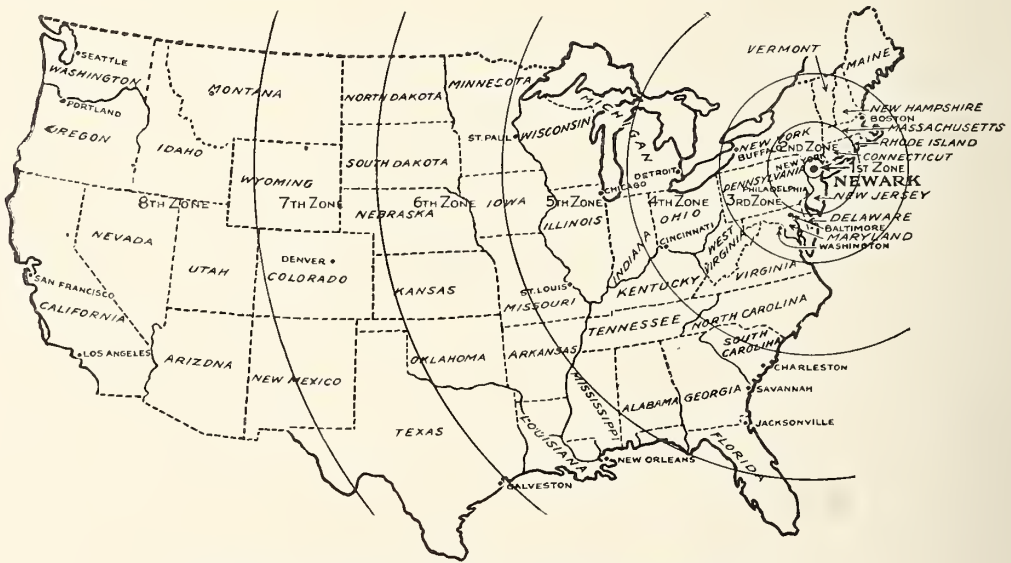
THAT is our hobby and we should like to make it yours, too. Each one of us has a hobby and each one likes to see things grow. Why not combine these two and watch things grow in your own garden? Nothing does one so much good or gives one so much pleasure as to see fresh vegetables or beautiful flowers growing in the garden. To produce that garden we naturally recommend Noll's seeds. These are of a solid reliability, of the highest degree of purity and away above the standard of excellence. Did you use Noll's seeds last year? If so we thank you for your continued confidence. If you did not use our seeds, we earnestly solicit your orders for 1917.

Faithfully yours,

January, 1917.

J. F. NOLL & CO., Inc.

We might add that we deliver Lawn Grass seed in any quantity free, also all packets, ounces and quarter pounds of Vegetable and Flower Seeds to any post or express office or freight station in the United States at the prices quoted in this catalogue, means of transportation at our option. If other items are ordered, please allow for postage as below when making your remittance. You can remit by Post Office or Express Money Order, by check or registered letter. Please order as early as you can; the benefit will be mutual. Give full shipping directions on all orders. If you want your order sent to you by parcel post, total the weight, not counting in packets, ounces, quarter pounds or Lawn Grass seed, and by referring to the map below determine what zone you are in and what amount to remit to cover postage charge. In Zones 1 and 2, and the Local Zone the maximum weight is 50 pounds, all other zones 20 pounds. Sweet Corn weighs about 1½ pounds to the quart, and Peas and Beans will average about 2 pounds to the quart. Articles that cannot be mailed are marked (not mailable).



PARCEL-POST RATES FROM NEWARK, N. J.

LOCAL ZONE	Weight in pounds	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
		Postage	05	06	06	07	07	08	08	09	09	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17
	Weight in pounds	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
		Postage	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30
ZONES 1 and 2, 150 Miles	Weight in pounds	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
		Postage	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Weight in pounds	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
		Postage	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Weight in Pounds		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20						
ZONE 3, 300 Miles	Postage	06	08	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44						
ZONE 4, 600 Miles	Postage	07	11	15	19	23	27	31	35	39	43	47	51	55	59	63	67	71	75	79	83						
ZONE 5, 1,000 Miles	Postage	08	14	20	26	32	38	44	50	56	62	68	74	80	86	92	98	1.04	1.10	1.16	1.22						
ZONE 6, 1,400 Miles	Postage	09	17	25	33	41	49	57	65	73	81	89	97	1.05	1.13	1.21	1.29	1.37	1.45	1.53	1.61						
ZONE 7, 1,800 Miles	Postage	11	21	31	41	51	61	71	81	91	1.01	1.11	1.21	1.31	1.41	1.51	1.61	1.71	1.81	1.91	2.01						
ZONE 8, Over 1,800 Miles	Postage	12	24	36	48	60	72	84	96	1.08	1.20	1.32	1.44	1.56	1.68	1.80	1.92	2.04	2.16	2.28	2.40						



Noll's Vegetable Seeds

ASPARAGUS SEED

One ounce will sow 50 feet of row

Just as soon as the ground is workable after the frost is out, sow the seed 1 inch apart in rows which should be 2 feet apart, and cover very firmly with about 1 inch of soil. It is advisable previously to soak the seed in warm water. After the seedlings have grown to a size when they can easily be handled, thin them out to at least 2 inches apart, keep them free from weeds, and be careful to water them well during summer and autumn. In the spring set out the one-year-old plants 1 foot apart in rows 18 inches apart, in a well-manured, rich, sandy loam and cover the tops firmly with 3 inches of soil. We advise you not to cut too closely. It is an

excellent thing to apply salt every spring at the rate of a half-pound for every square yard of bed. Manure well in the fall, spading it in the next spring. Full cultural directions on every bag.

Conover's Colossal.

Produces large, succulent, and tender shoots of fine quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Early French Giant.

Early, prolific, and vigorous, growing splendid white shoots of excellent quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

PALMETTO.

The finest variety for the home-garden Asparagus bed. Earlier and extremely uniform strain producing finely flavored large stalks, nearly an inch in diameter but tender and delicious. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.



Palmetto Asparagus

ASPARAGUS ROOTS

While we sell Asparagus seed to hundreds of our customers every year, we really advise the use of two-year-old Asparagus Roots. There is not only a saving in time of two years, but you can cut Asparagus during the first year. In the latitude of New York City we advise setting them out in April or May in well-drained very rich soil. Dig trenches about 15 inches wide and about 18 inches deep and set the roots from 18 to 24 inches apart in the row, keeping the rows 4 to 5 feet apart. Be sure to spread the roots carefully. It is best to put about 3 or 4 inches of well-rotted manure in the bottom of the trench; cover this with 2 or 3 inches of soil and place the roots on top of this soil, then cover them firmly with about 3 inches of soil.

We can supply strong two-year-old roots of Conover's Colossal, Early French Giant, or Palmetto, at 25 cts. for 10, \$1 per 100, \$7.50 per 1,000, delivered to you.

ARTICHOKE

One ounce will sow 100 feet of row

To grow Artichokes successfully we recommend the use of a rich sandy loam, fairly deep, and with plenty of well-rotted manure. In the latitude of New York, it is best to sow the seed in April or May in hotbeds and transplant, when the plants are large enough, to rows 3 or 4 feet apart, so that the plants are from 12 to 18 inches apart in the row. The plants will reach maturity in the second year. If you desire to hasten the growth so that they will mature late in the first year, we advise sowing the seed in hotbeds in February. Pot off the seedlings and later transplant to the garden bed as above. All flower-heads should be cut off as they ripen and before they expand. As the cold weather approaches, cut off and tie up the leaves in order to reduce the size, and bank up to the top with earth. We print full cultural directions on every bag.

Large Green Globe. This is the very finest variety of this popular southern delicacy, producing large, somewhat elongated heads, like a compactly petaled flower. These are very tender and delicious when cooked similar to asparagus and are considered highly nutritious. The plants will continue to bear for years. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts.

BEANS, DWARF OR BUSH

One quart will plant 100 feet of row

The best soil is a well-manured sandy loam, but very fine crops are produced on an average garden soil. After the ground is perfectly warm, in the latitude of New York usually about May 1, sow at intervals of two weeks in order to secure a succession throughout the season. The seed should be placed about 3 inches apart in rows about 1½ to 2 feet apart. Be sure to cover firmly with not more than 2 inches of soil. Thin out the plants to stand from 4 to 6 inches apart in the row. Cultivate thoroughly and often, keeping a mulch of loose soil at all times. When the crop comes to bloom, cultivate shallow, as deep cultivation at this time will cause many blooms to fall, decreasing the crop. Beans will be ready in from six to eight weeks from time of planting. Full cultural directions on every bag.

GREEN-PODDED or SNAP BEANS

Black Valentine. This fine Bean is hardy and prolific. It is an early variety producing long, straight, round, light green pods of fine quality. Many prefer this sort, as it bears a heavy crop and does not need extra attention. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. \$3.

Boston Pea or Navy. This variety is a sure cropper and not only more prolific than the common white Bean but also of better quality. The Beans are small, oval, and white, and are used as dry Beans, or for baked Beans. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. \$2.75.

BOUNTIFUL. We are enthusiastic about this variety. The pod is long, flat, and almost stringless, of a very fine quality, and a heavy yielder. An early variety, fine for the home-garden. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25.

BURPEE'S STRINGLESS GREEN-POD. A very early, productive and stringless variety of excellent quality. Pods are of a rich green color, round and straight, averaging 5 inches in length, and are tender, brittle, and of the finest flavor. Pkt. 10 cts., pt. 35 cts., qt. 55 cts., pk. \$3.75.

Dwarf Horticultural, or Speckled Cranberry. One of the best dwarf varieties for green shell Beans for the home-garden and can be used early as a green-podded snap Bean. The plants are very productive, compact, and upright, with large leaves. The young green pods are tender and of good flavor, medium length, and slightly curved, and when near maturity become yellow-skinned, blotched with bright red. The shelled Beans are also used for soup and baking purposes. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.

Extra-Early Red Valentine. This is the original and still popular Valentine variety. The round pods are of good quality and fine flavor. The vines are hardy and yield a heavy crop. This Bean requires about fifty days from the time of planting to picking. Pkt. 10c., pt. 25c., qt. 45c., pk. \$3.

Extra-Early Refugee. This popular Bean produces spreading vines, thickly leaved, protecting the round, slim, straight pods from the sun. It is a heavy yielder and is one of the best for the home-garden, either for the first-early variety or for a late fall planting. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. \$3.

Full Measure. A prolific stringless, long-podded sort, with nearly round, brittle, 5-inch pods on heavy vines throughout a long season. Pods firm, tender, and have no neck. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. \$4.

Giant Stringless Green-Pod. Very prolific, has vigorous vines but maturing the pods later than Burpee's Stringless. Good for the home-garden, producing large pods. Crop failure.

KING OF THE EARLIES. We strongly recommend the use of this fine variety for the home-garden. It can be planted a week earlier than any other green Bean, as the dry Bean will withstand cold, wet weather when other strains would rot in the ground. The main features are its earliness and ability to yield heavily. The first picking is a heavy one, giving better results in this respect than any other variety that we list. Remarkably adapted for a late planting as well as first early, owing to the hardiness of the vine which resists unfavorable weather and disease. Include this one in your order. Pkt 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.75.

Large White Marrow. A popular variety for winter use as a shelled or dry Bean. The large spreading



Bountiful Beans

Large White Marrow, continued
vines are heavy yielders. The Beans cook dry and mealy. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. \$2.75.

Longfellow. Another excellent variety which we strongly recommend for the home-garden. Pods round, tender, and stringless when young, averaging 5½ to 6½ inches. A heavy picking of fine quality will be ready in about fifty-two days. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25.

Low's Champion or Boston Cranberry. This variety is used mostly for shelled Beans. The vines are vigorous and productive, keeping the pods well off the ground. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.

Refugee, or 1,000-to-1. An excellent late variety and extremely popular. Pods round, tender, and meaty, about 5 to 6 inches long, light green, and brittle. The productive vines grow about 15 to 18 inches high, bushy in growth, strong, and hardy. Requires about seventy days to maturity. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25.

BEANS, DWARF or BUSH, continued

YELLOW OR WAX-PODDED (BUTTER BEANS)

Black Wax Improved. This is a standard early variety having golden yellow pods 5 inches in length, usually curved, quite round, meaty, brittle, stringless, and of fine flavor. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. \$4.25.

Burpee's Brittle Wax. This is a very early, superior variety which has come into great favor. The bushes are remarkably hardy and very prolific, producing pods which are deeply saddle-backed, tender, brittle, and entirely stringless right up to maturity. We are sure you will be pleased with this variety for family use. Crop failure.

CALIFORNIA RUST-PROOF. We certainly advise the use of this excellent variety for the home-garden. It deserves all the praise that we can give it. The vines are vigorous and hardy, producing pods 5 to 6 inches long, flat, and of a light golden color. It is one of the best and earliest Beans ever originated. The strong feature of this sort is that it resists rust to a remarkable degree. Pkt. 15 cts., pt. 35 cts., qt. 60 cts., pk. \$4.25.

Currie's Rust-Proof. This old favorite variety is early, vigorous, and productive. The pods average 5 inches in length, are flat and of a light yellow color, making an excellent appearance. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. \$4.25.

Davis Kidney Wax. If you are anxious to grow a Wax Bean of superior quality, we advise the use of this sort. The pods are straight, flat, and slim, about 6 inches long, of a rich golden yellow color, and have a most delicious flavor. We know of no Wax Bean which will give finer table Beans for use when young than this one. It bears heavily and is one of the best varieties for a later planting. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. \$4.25.

Golden-Eyed Wax. An early vigorous prolific variety, bearing large, flat, waxy, golden pods of good flavor. Hardy vines grow about 1½ feet high, keeping the pods well off the ground. It is fairly rust- and blight-resisting. Pkt. 15 cts., pt. 30 cts., qt. 50 cts., pk. \$3.75.

Golden Wax Improved. This is a half-round-podded variety, fairly stringless, pods growing 4 to 5 inches in length, and of excellent quality, and is very prolific. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. \$4.25.

Hodson Wax. We highly recommend this Bean for a late planting. The bushes are of strong, vigorous growth, producing a heavy crop of long, flat, handsome yellow pods which are twelve days later in maturing than the early wax sorts but are unusually free from rust, blight, and other diseases, giving the least trouble to the home-gardener. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. \$4.25.

NOLL'S GOLDEN QUEEN WAX. This excellent variety produces enormous pods, of fine flavor, and is very desirable for home use. The pods are tender and stringless if used when young, and are borne heavily on the vigorous vines. This is a most productive sort and of good flavor. Pkt. 15 cts., pt. 35 cts., qt. 60 cts., pk. \$4.25.

Pencil-Pod Black Wax. This variety produces bushes of strong, branching growth about 15 inches high and is very productive. The pods are straight, fully rounded, meaty, and deeply saddle-backed, 6 to 7 inches long, and of a light golden yellow color. They are tender, brittle, of fine flavor, and stringless. About fifty-two days are required from time of planting to maturity. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. \$4.25.

Sure-Crop Stringless Wax. This is an excellent and desirable variety abundantly producing large, stringless, long, flat pods which are extremely tender. It is an abundant cropper. Crop failure.

Wardwell's Kidney Wax. An excellent standard Wax Bean which is very popular with the home-gardener. The strong bushes are about 15 inches high, vigorous and very productive. The pods are straight, flat, about 5 to 6 inches in length, and of a rich golden yellow color. They are thick, stringless, and brittle, and usually are ready to pick in about fifty days from planting. Pkt. 15 cts., pt. 30 cts., qt. 55 cts., pk. \$4.25.

BEANS, POLE OR RUNNING

Use one quart of seed for 100 hills

We recommend the use of a well-manured sandy loam. Seeds should be planted about May 1 in the latitude of New York City, after settled warm weather. Set cedar or similar poles 8 to 10 feet in length in rows 4 feet apart running north and south, poles being 3 feet apart in the row. Set the poles 18 inches deep slanting slightly to the north. In the hill around each pole plant five or six beans 2 inches deep and cover firmly. When well started, thin to four plants to the hill and tie them up to the pole so that all plants twine around the pole in the same direction.

GREEN-PODDED POLE BEANS

McCASLAN POLE. A comparatively new green-podded variety. It comes early and bears throughout the season, if the Beans are not allowed to mature. The pods average 8 to 10 inches in length, are flat, slightly curved, and of a rich green color, containing ten fine Beans. Makes an excellent snap Bean and the white-shelled Beans are unsurpassed for winter use. Pkt. 10 cts., pt. 35 cts., qt. 60 cts., pk. \$4.

Horticultural, or Speckled Cranberry. This Bean is especially adapted for short seasons and cool locations. It produces long, round, thick pods of fine green color, and is very prolific. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

Kentucky Wonder, or Old Homestead. This standard green-podded pole Bean continues to bear throughout the season, if the pods are picked as they mature. The pods are 7 to 9 inches long, very deeply creased, meaty, stringless when young, and of finest quality. This is an old variety but has stood the test of years of comparison and is still one of the most popular pole Beans to be had. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. \$3.

Scarlet Runner. This well-known variety grows about 10 feet high, bearing large sprays of bright scarlet pea-like flowers which are very ornamental. When fully ripened, the Beans are bright scarlet heavily blotched with purple. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25.

YELLOW-PODDED WAX POLE BEANS

Early Cluster Wax. This is the best wax pole Bean in cultivation. The large flat pods are of a golden yellow color and excellent flavor. Being used more largely each year. Pkt. 15 cts., pt. 30 cts., qt. 50 cts., pk. \$3.50.

You must have noticed that the prices of Beans are considerably higher this year than they have been heretofore. This is due to the extremely short Bean crop this past season in the sections where Beans are grown for seed.

BUSH LIMA BEANS

One quart will plant about 150 hills, or 100 feet of row

It is best to select a rich light soil. Sow the seed after the ground is dry, danger of frost is over, and the weather is warm, about May 20 in the latitude of New York City. Make the rows 2 to 3 feet apart, dropping the Beans 3 to 4 inches apart in the row, and be sure to cover firmly with 2 inches of soil. The Beans should be placed on edge with the eye down, as this will make them germinate more rapidly. Thin the plants to stand 10 inches apart in the row. Bush Limas may also be planted in hills 3 feet apart one way and 2 feet apart the other, using 4 to 6 Beans to the hill. The plants should be cultivated often but it is best to do this when they are dry. We print full cultural directions on every bag.

Burpee's Bush Lima. This is a good standard variety with medium-sized Beans and pods. The bushes grow about 18 inches high, erect and of vigorous growth. The pods are well filled with Beans of very good quality. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

BURPEE'S IMPROVED BUSH LIMA. This is the finest largest bush lima ever introduced, and we commend it highly. The bush growth is very vigorous with heavy foliage, reaching 30 inches in height and 24 inches across the top. The pods, often found in clusters of five to ten, measure about 6 inches in length and well over an inch in width. The Beans are very large and thick, running five to a pod. They mature a week earlier than the old Burpee Bush. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. \$2.75.

Dreer's Bush Lima. This is the standard bush lima of medium size for which there is such large demand. The strong plants bear an enormous crop of good-sized pods. The Beans are smaller than Burpee's Improved Bush Lima but are preferred by many owing to their rich buttery flavor. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. \$2.75.

Fordhook Bush Lima. A very excellent sort and has become one of the most popular bush potato limas, being used more largely each year. The bushes are erect, branching freely. The pods are larger than the Dreer's and six to eight days earlier. The green Beans are thick and meaty, four to the pod, very tender, juicy, and of fine flavor. This variety bears the pods in clusters and is a heavy yielder. We urge you to try it. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., pk. \$2.75.

Henderson's Bush Lima. An extremely early and very productive variety and is the first of the bush limas to come in. The Beans are small but very tender and of a very fine rich flavor. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

NOLL'S IDEAL POTATO BUSH LIMA. To obtain the finest yield of the medium-sized bush limas, we advise the use of this variety. We have carefully selected it for size and quality and it is more prolific than Dreer's Bush Lima. The bushes attain 18 inches in height and are heavily filled with large pods. Most satisfactory for the home-garden. Pkt. 15 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25.

POLE LIMA BEANS

One quart will plant 100 hills

It is safest to plant in a well-manured sandy loam fully two weeks after settled warm weather, in the latitude of New York City, about May 20. Set cedar or similar poles 8 to 10 feet in length in rows 4 feet apart running north and south, the poles being about 3 feet apart in the row. It is best to set the poles in the ground 18 inches deep, slanting slightly to the north. In the hill around it plant five or six Beans, placing them 2 inches deep, on edge with the eye down, and cover firmly with soil. When they are well started thin out, leaving the four strongest plants to each hill and tie up to the pole so that all plants will twine in same direction.

Ford's Mammoth-Podded Lima, continued as an early green Bean or as a dried shelled Bean. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

King of the Garden. This variety produces large flat pods of good quality containing five to six large Beans. It is very prolific and quite early. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

Large White Lima. An old favorite, very largely grown for family use. The large flat kidney-shaped Beans are tender and delicious when cooked. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

NOLL'S POTATO POLE LIMA. This is the finest sort for the home-gardener to grow. It shells more quarts of Beans to the bushel of pods than any other variety of pole limas. The Beans themselves are of good size, very thick, and of excellent quality. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.



Noll's Ideal Potato Bush Lima Bean

Dreer's Improved (Challenger). The pods of this variety are very productive but they mature later than the large flat sorts. They average 3 to 4 inches long, each containing three to five thick Beans of fine flavor. They are borne in clusters and are easily picked. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

Early Leviathan. This is the earliest of the pole limas and is a heavy cropper. The flat pods are borne in clusters. The Beans are thick, meaty, and of good flavor. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.

Extra-Early Jersey. This is a very early vigorous pole variety grown largely in the state of New Jersey. It is an excellent bearer; pods of good size and fine quality. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

Ford's Mammoth-Podded Lima. Owing to the very large size of the pods, this very productive sort is preferred by many. It is excellent for use either

BRUSSELS SPROUTS

One ounce will produce 1,500 plants

Use a rich heavy loam with good drainage. In the latitude of New York City, sow outside in rows in May and transplant in July to rows 2 to 2½ feet apart, setting the plants 1½ to 2 feet apart in the rows. Cultivate often. Brussels Sprouts are as hardy as the common curled greens and may be had in fine condition from October until December, while farther south they may be had through March. Full cultural directions on every bag.

Half-Dwarf Improved. The stem of this variety grows from 20 to 28 inches, closely set with medium-sized grayish green, very firm, and well-rounded Sprouts. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

BEET

One ounce will sow
50 feet of row

The best soil is a light sandy loam, having been previously enriched with well-rotted manure. If the Beets are wanted extremely early, sow in hotbeds and transplant, cutting off the outer leaves. For early use, sow in rows at intervals of two weeks from the time the ground is fit to work in spring, up to July; in the latitude of New York City for open planting sow in the first week of May. The rows should be 1 foot apart and the seed should be sown thinly and covered firmly with 1 inch of soil. When the plants attain three or four leaves, thin them out to stand 4 inches in the row. We print full cultural directions on every bag.

Crimson Globe. This fine variety is of medium size and perfect globe shape, and is produced very uniformly, with smooth skin, small tops, and a rich dark blood-red color, slightly zoned. It is very tender and sweet. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Crosby's Improved Egyptian. This variety is extremely early and is a good one to use for forcing, having a small top of green leaves tinged with brown. The thick, roundish, smooth root has a distinct vermilion-colored flesh zoned with lighter shade. This is one of the most satisfactory for the home-garden. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

DETROIT DARK RED. Our well-known strain of this very early variety is of exceptionally fine quality and attractiveness. The root is almost globe-shaped, tapering slightly and smooth. The flesh is a deep vermilion-red, crisp, and sweet. Leaves are green with dark red veins and stems. We highly recommend this Beet for home culture. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Dewey's Improved Blood Turnip. A handsome, thick, top-shaped, smooth Beet with carmine-red flesh, zoned with lighter shade. The leaves are green, tinged with red during the summer. This is quite an early variety and a good keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Eclipse. This variety is extremely early, of small size, but grows very rapidly. Its very fine quality, round shape, smoothness, and deep red color make it a favorite. It has a scant top, with brown-red foliage. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Edmand's Blood Turnip. One of the best to follow the extra-early sorts and for a late planting. The root is top-shaped and dark red. The flesh is purplish red and zoned. The small top foliage is green with dark red ribs and stalk. Plant this sort at the same time as the extra-early varieties and it will mature just after them in a succession. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Egyptian Extra-Early. This is our choice for the early sort and is best for forcing. The root is decidedly flattened turnip-shaped, and the flesh is very dark blood-red. The top is small with brown-red leaves mixed with green. For rapid maturing of roots, this variety is unsurpassed. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Electric. A fine extra-early variety, especially adapted for greenhouse and frame use on account of its erect growth and short tops and is of fine quality. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Lentz Turnip. This early-maturing top-shaped Beet has flesh of a red color marked with white sections. The foliage is green, slightly tinged with brown. The white zone in the flesh entirely disappears when cooked. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Long Smooth Blood. (Out of ground.) This is the best of all long late varieties, producing a root from 12 to 14 inches long, growing one-third out of the ground. The flesh is deep red and the leaves are green, veined with red. This Beet keeps well through the winter. Pkt. 5 cts., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Nutting's Early Gem. This is one of the leaders of the extra-early varieties, making a fine, smooth, spherical-shaped root with fine red-colored flesh. It

Nutting's Early Gem, continued

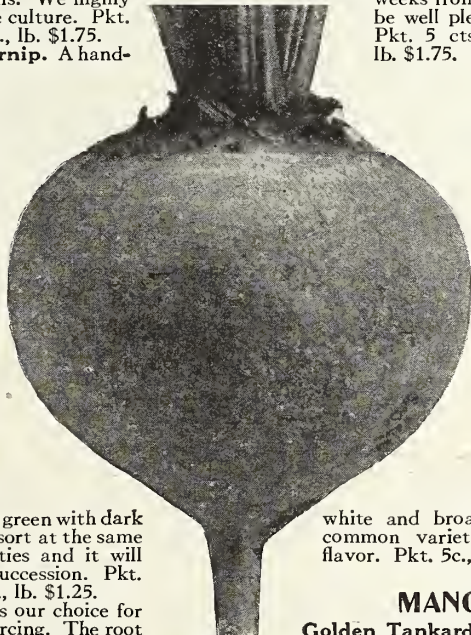
is very early, perfectly smooth, tender, sweet, and of a dark color and it does not crack as the old Egyptian or other early varieties are apt to do. This kind makes an unusually attractive Beet for table use. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

NOLL'S SUPERB. We particularly call your attention to this fine home-garden Beet. In this variety we combine a very dark red color, round root, and earliness, which make it very desirable. It is indeed very early, maturing several days before the other sorts. The shape is uniformly perfect, being entirely free from fibrous side roots which are so objectionable. In fact it is one of the smoothest Beets on the market. The flesh is a rich dark blood-red color, tender, crisp, and deliciously sweet, besides having a small short top. It will produce a good crop inside of seven weeks from sowing. We believe you will be well pleased, if you try this variety. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

SWISS CHARD

Common. This member of the Beet family is becoming more popular every year. It is grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It is hardy and productive, with broad green leaves and large white midribs or chards of excellent quality, and can be sown at different seasons of the year, giving successive greens. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

LUCULLUS. A peculiarly delicious variety having green leaves which are remarkably crimped and curled, like savoy-leaved cabbage. The chards are white and broad but not as broad as the common variety, although equally fine in flavor. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.



Noll's Superb
Beet

MANGEL-WURZEL

Golden Tankard. The root is quite large and of an almost cylindrical shape narrowing abruptly at both ends. The skin is deep orange-red and the flesh is zoned with yellow and white and is very nutritious. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 50 cts.

Mammoth Long Red. This is the largest of all the Mangels and is more popular than any other. The root is 15 to 18 inches long, over 6 inches thick, and with a heavy shoulder. It grows one-half above the ground and is easily pulled. This yields enormous crops. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

SUGAR BEET

Giant Half-Sugar Rose. The root of this variety is very large, smooth, and clean, of oval shape, growing one-half out of ground. The skin is rose-white with a deeper rose-colored top. The flesh is white and sweet and of high nutritive value. A heavy cropper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 50 cts.

Vilmorin's Improved Sugar. The best grown, highest in nutritive value and percentage of sugar. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

CABBAGE

One ounce will produce
1,500 plants

The best results are obtained from a well-drained heavy loam. Sow the early varieties in hotbeds in February, or better still, winter them over in coldframes. Sow from the 10th to 20th of September and in four or five weeks transplant to coldframes. Set plants down to the first leaf, burying all the stem. In the latitude of New York City from March 15 to April 15 set out plants in open ground 18 inches apart in rows which are 2 feet apart. This earliest crop matures in June. For second earlies, sow April 1 and plant out in May, the crop maturing in July and August. For late Cabbage, sow from May to June, setting the plants out in July, 2 feet apart in rows 3 feet apart. This crop matures from September to November. We print full cultural directions on every bag.

EXTRA-EARLY VARIETIES

All-Head Early. This fine Cabbage is the earliest of all large Cabbages and is considerably larger than any other Cabbage of equal earliness. The deep flat, large heads are very solid, heavy, and of astonishing uniformity, color, size, and form. We also recommend this variety for late use. Pkt. 5 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Charleston Wakefield. A very fine, early, pointed-head sort of standard reputation. Heads are large, remarkably uniform in size and shape, and fine for the home-garden. This Cabbage is ten days later than the Early Jersey Wakefield but produces heads of a larger size. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

COPENHAGEN MARKET. On its own merits Copenhagen Market has become a national standby in this country in the last five years. The heads are round, averaging 8 to 10 pounds in weight, surprisingly solid, with small core, and of excellent quality and unsurpassed uniformity. The light green saucer-shaped leaves are folded one over the other, tightly and compactly. The plants are short-stemmed, placing the heads just above the level of the ground. It is ready just as early as the Early Jersey Wakefield and can be planted as close as the Charleston Wakefield. If you have not as yet tried this unexcelled round sort, we heartily advise you to do so. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.

EARLY JERSEY WAKEFIELD. Our strain of this excellent extra-early, pointed-head sort is without a parallel. The heads are small as compared with the later Charleston Wakefield, but are solid and extremely uniform in both green color and size. We have the original strain of this Cabbage selected up to perfection and we know that there is no better strain to be found anywhere. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.

Early Spring. A good, early, flat-headed variety with few outer leaves and so can be planted very close, this feature being important for the home-garden where space is limited. The heads are as large as many of the late varieties and are very solid and compact, and of the best quality. Pkt. 5 cts. - oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.



Copenhagen Market Cabbage

Early Winnigstadt. This is an old standard, early variety of conical head Cabbage, extremely popular and of excellent quality. The large green heads are hard and solid, requiring more time to mature than Jersey Wakefield. We advise that you use this sort to follow the extra-earlies. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

SECOND-EARLY VARIETIES

All-Seasons. As its name implies, this is a reliable Cabbage under all conditions and is an excellent variety to use where only one planting of Cabbage is made for table use. It is second-early, round-headed, fine and solid, and of good quality. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Danish Summer Ballhead. Our stock of this variety produces fine, good-sized ball-shaped heads of good quality and is very uniform in growth and size. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Early Summer. This medium-sized, standard second-early variety is flat-round in shape with light green spreading outer leaves enclosing a solid head which is an excellent keeper and does not burst readily. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Fottler's Brunswick. An old standard, but still popular variety producing large, flat, solid heads on short stems with few outer leaves. This Cabbage shows a tendency to form heads under all conditions and will stand in the garden in fit condition for a long period of time. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

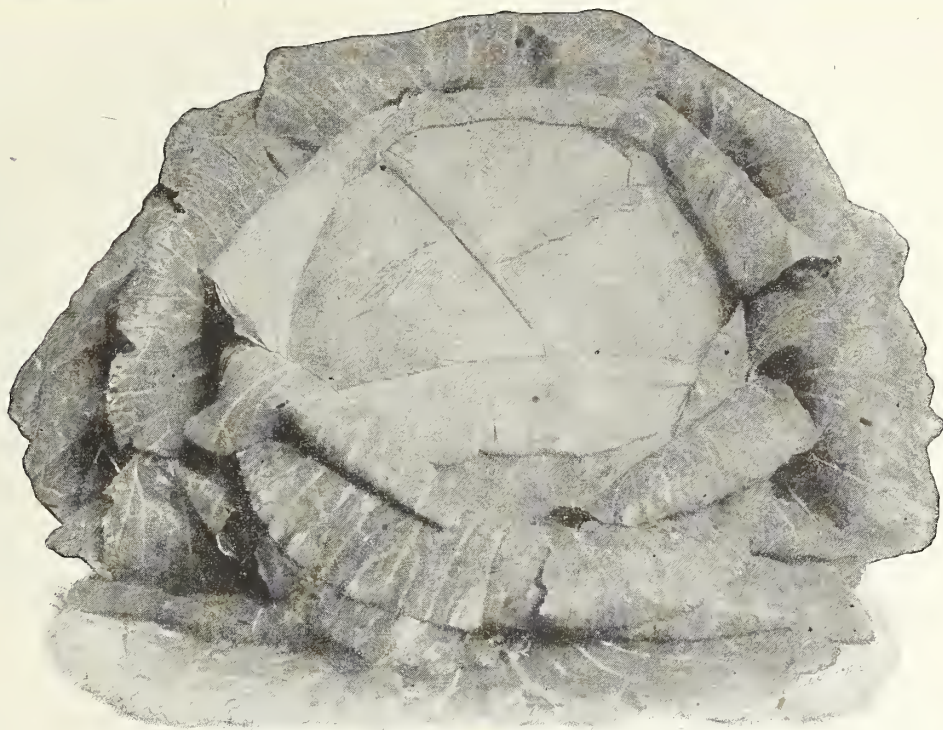
Glory of Enkhuizen. A very good short-stemmed medium-early variety with large, round, very dark green, handsome heads and few outer leaves. This allows for close planting which is an important feature in planting the city or suburban garden. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Market-Gardeners'. We believe this to be the finest second-early Cabbage grown, and is equally as good for a main or late planting. The heads are large, flattened, and grow compactly. Hence they can be planted more closely than most large varieties. The heads average 8 to 12 pounds each and are of unsurpassed quality. We recommend this for private use. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Newark Early Flat Dutch. We recommend this strain as a sure header of the medium-early class, producing flat, medium-sized heads of good quality. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Surehead. In this variety we have a certain leader of the main-crop Cabbages of its type. It is extremely popular with the private gardener owing to its remarkable surety to head. These are from 10 to 15 pounds each, are remarkably uniform, hardy, fine in texture, of a large round flattened shape, sweetly flavored, and with few loose leaves. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

SUCCESSION. Those who are familiar with the different varieties of Cabbage have long recognized the superiority of our strain of Succession. This is a foremost Cabbage for all purposes, doing exceptionally well under ordinary conditions for either spring, summer, or fall planting. The enormous flat, solid heads are remarkably uniform and of fine quality. This is the most dependable Cabbage grown, is an excellent keeper, and will stand a lot of drought, never failing to make a crop. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.25.



Succession Cabbage (see page 6)

LATE OR WINTER CABBAGE

Autumn King, or Worldbeater. This is a good variety for late planting growing a very large, solid, flattened head of very good quality. It matures about the same time as the Late Flat Dutch and is a good variety for keeping for winter use. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Danish Ballhead, Tall-stemmed. For late crop in a tall-stemmed, spherical, hard-heading variety it cannot be excelled. A little later than Danish Roundhead. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.

Danish Roundhead, Short-stemmed. Has become very popular during the last few years, and we consider it one of the best keeping varieties ever originated. Heads are round, larger and earlier than Danish Ballhead, heavy and extremely hard. Our supply comes direct from Denmark and is sure to give satisfaction. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.75.

Large Late Drumhead. This popular variety forms a very large head of the Flat Dutch type on a short stem, and heads are uniformly solid and heavy and of excellent quality. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

LATE FLAT DUTCH, NOLL'S SUPERB. This is considered by many as the very best of the late varieties. The heads grow very large and flat, of a bluish green color, with few outer leaves and on a short stem. They are extremely uniform and solid and of a superior quality. We have selected our stock of this Cabbage for uniformity of size, shape, and quality, and believe that it cannot be improved upon. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

SAVOY, NOLL'S PERFECTION DRUMHEAD.

This is the hardest heading, most satisfactory, and best all-round savoy Cabbage. The plants are of strong growth, having only a few outer leaves growing closely about the large, solid, round, dark green heads. The leaves are heavily crimped or savoyed, making the heads peculiarly attractive. The flavor is far superior to the other varieties, deliciously mild, and of a smoothness which is not found in other Cabbages. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.

RED VARIETIES

DANISH DELICATESSE. This is the leader of the red-leaved Cabbages, being earlier than Mammoth Rock Red and of equally good flavor, producing good-sized, firm heads of intensely rich red color. The heads are round, inclined to the conical shape, and are remarkably free from splitting. We suggest this variety for your pickled Cabbage for this year. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.

Danish Stonehead. This is a very heavy, hard-heading Cabbage and is of a dark red color. The heads attain a large size and are of an exceptionally fine quality, and we believe will please the most critical. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.

Mammoth Rock Red. This late standard variety produces very solid, 10-pound heads of intense dark red color. The plant is large with numerous spreading leaves and is sure heading. Used for pickling and produces the largest heads of the red varieties. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.

CHERVIL

One ounce will sow
100 feet of row

Sow in early spring, in the latitude of New York City about April 1, in rich well-prepared soil. Cover firmly with 1 inch of soil. The seed is slow to germinate, sometimes remaining in the soil four or five weeks before the plants appear. When plants are about 2 inches high, transplant and thin to about 1 foot apart, allowing $1\frac{1}{2}$ to 2 feet between the rows. Plants are ready for use six to ten weeks from sowing. We print full cultural directions on every bag.

Curled. The young aromatic leaves are used in soups and salads. Leaves are slight, bright green, crisp, curled, and very much divided. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

CHINESE or CELERY CABBAGE

We particularly call your attention to this new vegetable which is remarkably well adapted for growing in the private garden. In all our experience we have never known of a novelty vegetable which has taken greater strides in popularity than the Chinese Cabbage. A few of our most enterprising and observant market-gardeners saw at first the wonderful opportunities in this delicious vegetable and it is now commonly seen on the markets and has met with a great success. We are very enthusiastic about this Chinese Cabbage and strongly advise that you include this when planting your garden for this year. It is very easily grown and takes very little space, both of which points are of first importance in the table-garden. We believe in bringing to the attention of our customers any novelty vegetable which we find is of exceptional merit, and we know if you try this one, that you will include it every year. We print full cultural directions on every bag.

Pe-Tsai. This delicious Chinese vegetable belongs to the Cabbage family and closely resembles a well-grown Cos Lettuce, but is heavier. We advise that the seed be sown about August 1 (not earlier). Either start in frames and transplant, or simply sow where the plants are to remain, thinning to 12 inches apart in the row. The light green, crumple-leaved heads are very tender and of a delicious flavor. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.

Wong Bok. This is the original Chinese-grown strain, producing a heavier and more solid head than the Pe-Tsai variety. Has a deliciously mild Cabbage flavor, and the pale green, closely-wrapped leaves blanch to almost pure white. Our select strain produces heads of remarkable solidity. Sow about August 1, and cultivate like lettuce or late Cabbage. In setting the plants out, push down about $1\frac{1}{2}$ inches in the ground and set 1 foot apart in the row. Pkt. 20 cts., oz. \$1, $\frac{1}{4}$ lb. \$3, lb. \$10.



Pe-Tsai, Chinese Cabbage

CARROT

One ounce will sow
100 feet of row

Carrots give satisfactory results when sown in any good garden soil, if thoroughly and deeply worked; a sandy loam well-manured is the most desirable. For early crop, sow as early as the ground can be worked and for later crops, in the latitude of New York City, sow up to about June 15. It is best for garden culture to sow in rows 12 to 14 inches apart; cover with $\frac{1}{2}$ to 1 inch of soil and be careful to press the soil down firmly over the seeds. As soon as plants appear, use cultivator or wheel-hoe. When of sufficient size thin the plants out to stand 3 to 5 inches between plants. We print full cultural directions on every bag.

Chantenay Half-Long. This is a medium-early, half-long, smooth, blunt-rooted sort of deep orange-red color and delicate flavor. It has a small top and is well shaped for frame use, allowing of close planting. The root is shaped broadest at the shoulder, tapering toward the base and running suddenly to a point, and is somewhat shorter than Danvers Half-Long. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

DANVERS HALF-LONG. This is an exceptionally fine Carrot for private garden use. Is slightly longer than Chantenay, tapering to a blunt point. The root is smooth and handsome, of an orange-red color, with sweet, crisp flesh. For main planting it has no superior and is more generally used for table Carrots than any other variety. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Early Short-Top Forcing, Noll's. A frame Carrot having a short top, permitting close planting and excellent for the table. Root cylindrical, half-long, orange, smooth, and blunt. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

Half-Long Luc. This comparatively new variety is very popular for fancy table use. It is half-long, stump-rooted, and free from core. The flesh is of beautiful orange color, tender, sweet, and delicious. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Long Orange, or Surrey. This long variety, of very good quality, is used both for field and garden culture in deep soils. The root grows 1 foot long, tapering from a 3-inch shoulder to a point. The leaves are strong and numerous. The flesh is of a deep orange color. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

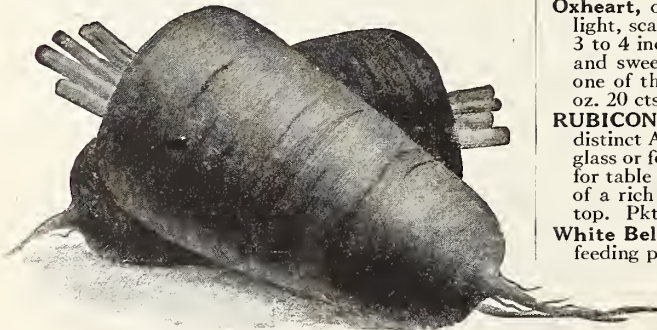
Nantes Half-Long Stump-rooted. Adapted for frame use. The smooth root is cylindrical with blunted end and of a bright orange color. The flesh is red, sweet, mild, and almost coreless. Top is small and short. A very attractive sort. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

New York Market. The root is half-long, tapering to a blunt point, and a little smaller than Danvers. The flesh is of a deep orange-red color. This is a very productive Carrot of fine quality. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Oxheart, or Guerande. A stump-rooted sort with light, scant foliage. Root is about 5 inches long and 3 to 4 inches in diameter, bright orange-red, tender, and sweet. When grown in substantial soil, this is one of the finest Carrots for the table. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

RUBICON HALF-LONG. This excellent new and distinct American strain is excellent for forcing under glass or for growing outside at any season of the year for table use. The root is half-long or stump-rooted, of a rich orange-red color; smooth and with a short top. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

White Belgian. This is a popular variety for stock-feeding purposes. The roots grow one-quarter above ground, averaging 16 inches in length, and are quite thick. The flesh is white and coarse and is desirable only for stock feeding. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



Oxheart or Guerande Carrot

CAULIFLOWER

One ounce will produce
1,000 plants

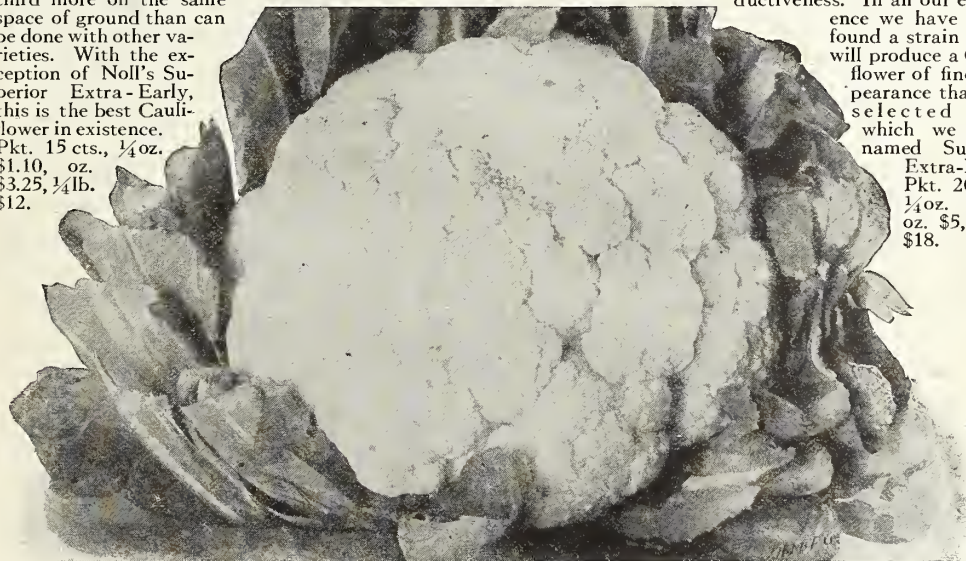
To grow Cauliflower successfully, the soil should be a rich well-drained heavy loam. It is best to sow the early varieties in hotbeds in February, and when plants are large enough to handle, harden them off by transplanting to coldframes 2 or 3 inches apart each way. When all danger of hard frosts is past, set out in the open ground in rows 2½ feet apart and 1½ feet apart in the row. Another excellent method is to sow the seed from the 10th to the 20th of September, and in 4 or 5 weeks transplant the seedlings to the coldframe for the winter. Then harden them off and set the plants out in the open field from March 15 to April 15, as described above. The late varieties may be sown from May to June and plants set out in July. We print full cultural directions on every bag.

Dry-Weather, or Danish Giant. This is a drought-resisting variety which succeeds where many others fail, being especially adapted to resisting unfavorable seasons and dry weather, the large-leaved foliage giving the flower splendid protection. It will not do well when neglected or when grown on poor soil, but when given good cultivation, will produce pure white, large, compact heads which grow nearly as large as the Snowball strain but mature later. If you have had poor success with Cauliflower in the past, we suggest that you try this variety, as it is hardier and we believe will give better satisfaction where conditions are not ideal. Pkt. 15 cts., ¼ oz. \$1, oz. \$3, ¼ lb. \$11.

Early Snowball. This is primarily an extra-early variety but is of such excellence that it has become popular for later use as well, having displaced many of the large late sorts for fall use. It is decidedly of finer quality and produces far superior snow-white heads averaging 8 to 10 inches in diameter. It is small-leaved and grown extensively under glass during winter and spring, being of dwarf growth. Its close-growing, compact habit enables the home-gardener to plant one-third more on the same space of ground than can be done with other varieties. With the exception of Noll's Superior Extra-Early, this is the best Cauliflower in existence. Pkt. 15 cts., ¼ oz. \$1.10, oz. \$3.25, ¼ lb. \$12.

Extra-Early Dwarf Erfurt. In this variety we have one of the best for very early outside culture or for forcing, as it heads with great certainty under good conditions. The growth is dwarf and compact, with short, broad leaves and short stems, and producing fine, large, clean white heads of even surface and attractive appearance. Our strain produces heads without any leaves growing between the sections. The quality is very fine but the size and appearance of the heads is slightly inferior to the Snowball and Superior Extra-Early strains. Pkt. 15 cts., ¼ oz. \$1, oz. \$3, ¼ lb. \$11.

NOLL'S SUPERIOR EXTRA-EARLY. For forcing under glass or for extreme early outside growing, our stock of this wonderful strain is unequalled. This is the first Cauliflower to flower and produces beautiful large, white, smooth-surfaced heads such as are required for fancy table use. It is dwarf and compact in growth, with short leaves but ample to protect the flower. The heads are deep and very solid and of the very finest quality. As we make Cauliflower a specialty, we feel confident that this is the strain which will please you the most, considering its earliness, uniformity, size, and productiveness. In all our experience we have never found a strain which will produce a Cauliflower of finer appearance than this selected strain which we have named Superior Extra-Early. Pkt. 20 cts., ¼ oz. \$1.50, oz. \$5, ¼ lb. \$18.



Noll's Superior Extra-Early Cauliflower

COLLARDS

One ounce will sow 200 feet of row

Sow in rich ground in rows which are 2 to 2½ feet apart. Cover firmly with ½ inch of soil. When about 4 inches high, thin to 2 feet apart in the row, or transplant from seed beds to open ground 2 feet apart each way. In the latitude of New York City sow seed from June through August and cultivate like cabbage. Best for use after being touched by frost. We print full cultural directions on every bag.

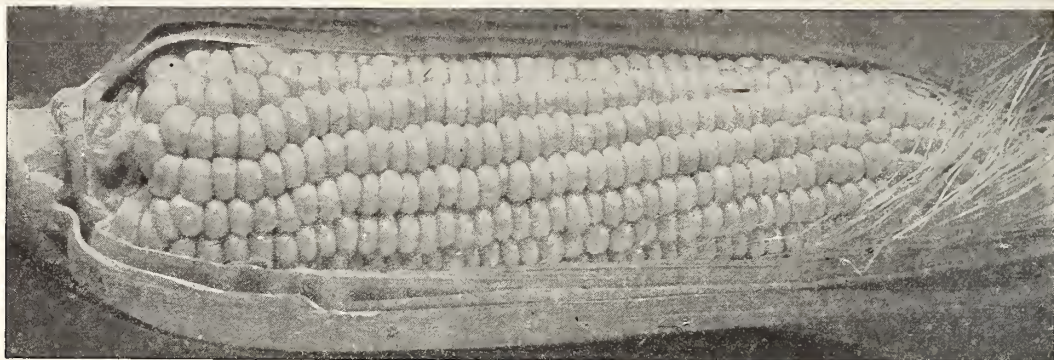
Georgia. This is really a tall loose-leaved form of cabbage. Grows 2 to 3 feet high, forming at the top of its rather long stem a cluster of undulated leaves which are tender and delicate when cooked. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.

CORN SALAD

Two or three ounces for 100 feet of row

A good rich soil is best. For spring crop sow as early as frost is out of ground; for later, sow in the latitude of New York City, during August and September, in rows 1 foot apart. Cover with ½ inch of fine pulverized soil which should be pressed firmly to insure good germination. Thin plants to 6 inches apart in the row. Ready in eight weeks from sowing. Corn Salad leaves are used quite largely as a substitute for spinach and lettuce. We print full cultural directions on every bag.

Broad Leaf. Hardy little plants, forming rosettes of tender, edible leaves and used as a substitute for lettuce. Grown for late fall, winter, and spring use. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 70 cts.



Noll's New Early Sweet Corn

SUGAR or SWEET CORN

One quart will sow
about 200 hills

Average garden soil is very satisfactory. Sow after the ground becomes warm; first planting may generally be made about May 15 in the latitude of New York City. Continue successive plantings every two or three weeks until the end of July. Plant 1 inch deep in hills, 3 feet apart each way, dropping six kernels to each hill. Thin to three plants per hill. With large varieties make hills 4 feet apart each way. Hoe frequently, keeping free from weeds, and draw soil up to the stem; break off all side shoots.

FIRST-EARLY VARIETIES

Ready for use in 60 to 65 days

DAYBREAK. The first good extra-early Sweet Corn to come in; slightly earlier than Golden Bantam but not as sweet, although it has an excellent quality and flavor. Stalks average 4 feet in height and the well-filled white ears average 7 inches in length. They resemble White Cory ears in size and shape, are 8-rowed, and grow close to the stalk. We urge every private gardener who is looking for the best varieties to try this one. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. \$4, bus. \$15.

Early Minnesota. This is an old standby, considered by many to be the best of the old extra-earlies. It is a dwarf variety producing ears of a small size but of very fine flavor. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3, bus. \$11.

GOLDEN BANTAM. An exceptional extra-early and extra-hardy sweet Corn of delightful, sweet, rich flavor. It is dwarf in growth, averaging only 4 feet in height, with two to three small creamy yellow ears, 5 to 9 inches in length, to the stalk. Dry seed is quite full and solid, permitting of the earliest planting. This Corn we specially recommend for the home-garden. See illustration top page 11. Pkt. 10 cts., pt. 35 cts., qt. 55 cts., pk. \$4, bus. \$15.

NOLL'S NEW EARLY. If you will take size, attractive appearance, and earliness into consideration, we think you will agree with us in saying that this variety, Noll's New Early Sweet Corn, is a winner. We introduced this in 1912 and home-gardeners have "discovered" it very rapidly. It grows an exceptionally large, well-formed, white ear on 5- to 6-foot stalks. A very good yielder, averaging two ears to the stalk. Matures just after White Cory but this is counterbalanced by the far superior ears and better quality. We know it will please and we advise you to try it out and convince yourself. Pkt. 10 cts., pt. 35 cts., qt. 55 cts., pk. \$4, bus. \$15.

Premo. This is a very early standard variety of good quality, growing large, white, even-rowed ears on a stalk of medium height. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25, bus. \$12.

Red-Cob Cory. This is one of the favorite extra-early sorts. The stalks are very dwarf, often producing two ears to the stalk. Generally matures in about sixty-five days from planting. The ears are of good quality. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3, bus. \$11.

White-Cob Cory. One of the most popular varieties for first-early crop. The 6- to 7-inch ears are well

White-Cob Cory, continued

filled with 12 rows of pearly white, large grains. Our strain of this is extremely uniform in both size of ears and height of stalk; we select it that way. Stalks grow 4½ feet high, each generally bearing two large, finely shaped ears. The size and beauty of this variety make it a fine Corn for home use. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3, bus. \$11.

MEDIUM-EARLY VARIETIES

Ready for use in 70 to 75 days

Black Mexican. For home use we consider this one of the best second-early sorts where tenderness and sweetness are the qualities most desired. The stalks grow about 6½ feet high, producing ears usually 8 inches long and 8-rowed. The dry grain is dark bluish black. The ripe Corn on the cob is also bluish black but, if used young, this Corn cooks remarkably white. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.50, bus. \$13.

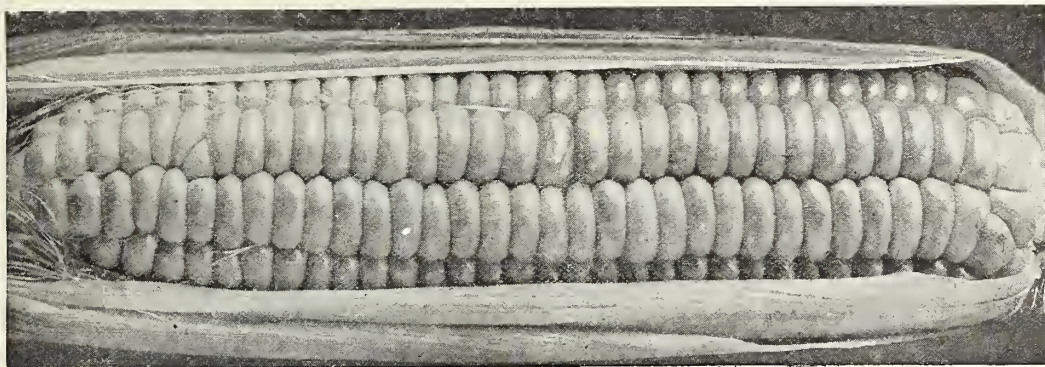
Early Champion. A second-early Corn of exceptional merit and one of the best sorts to succeed the first-early varieties. Produces twelve round white ears of good size, maturing six days later than White-Cob Cory. The quality is fine and it is a good seller. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25, bus. \$12.

Early Evergreen. This excellent variety matures about ten days earlier than Stowell's Evergreen. Stalks grow 6½ to 7 feet high, bearing 6½- to 7-inch ears, with 14 to 18 more or less irregular rows of deep set white kernels. We specially recommend this for the northern sections, as it matures in about seventy days. Pkt. 10 cts., pt. 35 cts., qt. 55 cts., pk. \$4, bus. \$15.

Early Mammoth. A large-eared, 12-rowed variety of good quality. It has very deep-grained ears, well filled at both tip and butt, and of good appearance. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25, bus. \$12.

Kendel's Early Giant. This is one of the largest of the medium-early Sweet Corns and is very prolific. The stalks grow about 5½ feet high, producing very sweet, tender, large-grained ears, 8 to 9 inches long and 12-rowed. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25, bus. \$12.

Metropolitan. This seventy-day white variety forms sturdy uniform stalks about 5½ feet high, growing easily. The ears are 10- to 12-rowed, 9 inches long, well filled with large grains of excellent quality, and with a liberal husk, which insures a fresh condition on reaching the table. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25, bus. \$12.



Golden Bantam Sweet Corn (see page 10)

LATE SUGAR or SWEET CORN

Ready for use in 80 to 85 days

Country Gentleman. This extremely popular variety has a small white cob densely covered with irregular rows of very long, slender, white "shoe-peg" grains of excellent quality. The ears are 7 to 9 inches long, produced on a 6½- to 7-foot stalk. Many stalks yield three ears each. We consider it one of the best flavored Sweet Corns for the private garden. It has become very popular in the home-gardens, and if you are not already acquainted with this variety, we certainly urge you to try it this year. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. \$4, bus. \$15.

Late Mammoth. Produces the largest ears of any Sweet Corn, sometimes reaching 12 inches in length. They are 16- to 18-rowed, sweet, tender, and delicious. Stalks grow about 8 feet high. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. \$4, bus. \$15.

Long Island Beauty. One of the finest late Sweet Corns ever produced, being a cross between Evergreen and Late Mammoth. About six days earlier than Stowell's Evergreen, and grows large, well-filled ears of very excellent quality and is very productive. The husk is a very dark green. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. \$4, bus. \$15.

MOONARCHIE. A late Sweet Corn of very exceptional merit. Is ready about the same time as Stowell's Evergreen and is a fine yielder, producing large well-filled white ears of very attractive appearance. Has become very popular. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. \$4, bus. \$15.

Stowell's Evergreen. This is the standard main-crop variety used for the home-garden. The ears are very white, having deep-set kernels of very fine quality. It is hardy and productive, the ears remaining in a green state for a long period. The ears are 7 to 8 inches long and 16- to 18-rowed; the stalks grow 7½ feet high. Our stock has been very carefully grown and selected to obtain seed which produces ears well-filled at both butt and tip and of fine uniformity. We cannot recommend this sort too highly. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. \$4, bus. \$15.

White Evergreen. This selection from Stowell's Evergreen produces large ears similar to Stowell's in all respects, but is five days earlier and the well-filled ears are paper-white in color and remain tender considerably longer. This is an extremely attractive sort. Makes strong vigorous stalks 7 feet high, ears having light-colored silk and white tassels. It produces two and even three ears to the stalk. Pkt. 10 cts., pt. 30 cts., qt. 55 cts., pk. \$4, bus. \$15.

POP CORN

Queen's Golden. The ears are comparatively large and the deep yellow kernels pop to a pure white color. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

White Rice. This is the old standard, very handsome, prolific white variety. The ears are 5 to 7 inches long with long, pointed kernels somewhat resembling rice. It is a heavy yielder, late maturing and considered one of the best Pop Corns for popping. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

CHICORY

One ounce will sow 100 feet of row

Large-Rooted, or Coffee. The soil should be light and rich. Sow seed about May 1 in rows 2 to 2½ feet apart. Cover firmly with ½ inch of soil. Thin to 6 inches apart and cultivate well. The roots will be ready to dig in the fall and when dried are used as an adulterant for coffee. Plant grows large leaves and thick stalks. The young leaves sprouted from one-year-old roots are excellent as a salad. We print full cultural directions on every bag. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

WITLOOF, or FRENCH ENDIVE. The seed should be sown in the open ground in a light and moderately rich soil not later than June, in rows 12 to 18 inches apart, thinning out plants to 3 inches apart. The plant forms long parsnip-shaped roots, and these should be lifted in the fall, cutting off the leaves 1½ inches from the neck, and then stored in a cool place until wanted for forcing. Cut the bottom of the roots so that they are of one length. The roots should be planted in a trench 16 to 18 inches deep and placed upright about 1½ to 2 inches apart, so that the neck of the root is about 9 inches below the level of the trench. The roots should be covered with a light soil, muck, or peat. If quicker growth is desired, use fresh horse-manure about 2 feet deep for bottom heat, cover manure with 8 inches of soil, then plant roots. It requires about a month to force the roots, and the heads are cut off with a small portion of the root-neck attached. It is remarkable for the width of its leaves and the great size of its ribs and stalks. The roots, when grown in trenches as above, produce the young leaves known as French Endive, which is becoming very popular as a winter salad. We print full cultural directions on every bag. Pkt. 5 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

CRESS (Pepper Grass)

One ounce will sow 100 feet of row

Sow garden Cress in April, in the latitude of New York, in the open ground every ten days for a succession, in a rich, well-prepared soil thickly in rows 12 to 16 inches apart, covering firmly with ½ inch of fine soil. Thin plants to 4 to 6 inches apart in the row. Water Cress may be broadcasted on the surface of wet soil near running water. It may be started in tubs submerged in running water. Plants need no subsequent culture.

Extra Curled, or Garden. Crisp pungent leaves, finely cut, dwarf, and compact. Used for garnishing. Pkt. 5 cts., oz. 10 cts., ¼lb. 15 cts., lb. 50 cts.

Water. A distinct Cress, thriving best in moist places, in brooks or in tubs under water. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.

CELERY

*One ounce of seed will
produce 3,000 plants*

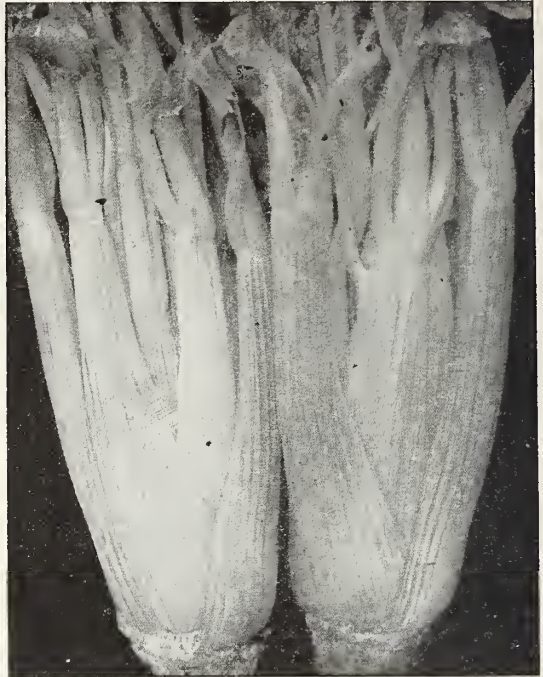
Success with Celery requires a very rich soil and plenty of water. For the latitude of New York City, sow the seed in shallow boxes indoors from February 20 to April 20, or in the open ground as soon as the ground is fit to work. Just cover with finely pulverized soil and firm down over seed. Temperature should not exceed 60 degrees Fahr., and bed should be kept moist. When plants are 2 inches high, transplant to stand 3 inches apart each way. When 4 inches high, shear off tops to make plants stocky. When 5 inches high (in June or July) cut off lower half of roots and set plants out 6 inches apart in rows 3 feet apart. Do not fail to press soil firmly around each plant. Keep free from weeds. About August 15 plants should be handled, i.e., the top leaves should be gathered together and earth should be drawn about each plant up to one-third of its height, allowing no soil to fall between the stalks. Pack firmly to keep leaves from spreading. Repeat this process every few days and finally spade the soil from between the rows, banking it up to the top on each side of the row so that only the top leaves are visible. We print full cultural directions on every bag.

Giant Pascal. Vigorous, compact, productive variety; one of the best sorts for fall and winter use. Leaves upright, short, dark green. Stalks short, broad, very thick, crisp, and tender, blanching readily to a yellowish white color; a very good keeper. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

GOLDEN SELF-BLANCHING. Our stock of this famous variety, now considered a standard Celery for early use, is unsurpassed and we have such confidence in it that we claim it will compare to your liking and benefit with any other stock on the market. The plants produced by our seed are compact and stocky, with yellowish green foliage turning to golden yellow, with a slight earthing up. Stalks are very thick, broad, solid, and crisp, of the finest nutty flavor and natural ivory-white color. This is a big-hearted strain with no hollow stalks, extremely even, and free from green top. The seed that we offer is grown for us by the most careful Celery specialist in the world and is tested by us in our proving-grounds. Our sales are heavy and our stock is in strong demand. Are you particular about your Celery seed? You can't be too much so. We strongly advise you to investigate our stock and send us your order. We supply yearly the leading, most progressive, and most particular celery-growers in all the large Celery sections in the United States. Pkt. 15 cts., oz. \$1.75, $\frac{1}{4}$ lb. \$6.

Magnificent, Noll's. One of the best late green Celeries to be had, and is a long-keeping large-ribbed variety with very large hearts of a fine golden yellow when blanched. Grows a medium-height stalk but heavy, solid, and crisp. An excellent green Celery for the table. Pkt. 15c., oz. 90c., $\frac{1}{4}$ lb. \$2.75, lb. \$9.

NEWARK MARKET. This green easy-blanching strain was first introduced by us four years ago, and at the time of first cataloguing it, our seed stocks were very limited. We knew at that time that we had developed a strain of easy-blanching green Celery which would startle the up-to-date Celery grower, and this has been amply proved by the enormous demand for our stock which has since developed. The plants produced by our seed are strong and stocky with green foliage showing a slight tinge of yellow in the inner leaves. The stalks are very large and heavy; broad, solid, crisp, tender, and of a most excellent nut-like flavor and white color. The hearts are exceptionally large and firm and of a creamy yellow color. This strain blanches very quickly and easily and when boarded up grows immense, tall stalks. It is far more vigorous than the Golden Self-Blanching or Paris Golden Yellow strain, and is absolutely free from the Celery "sickness" which has become so prevalent in all the Celery sections of the country. The Newark Market Celery is displacing the Golden Self-Blanching strain everywhere that Celery is grown, owing to its disease- and sickness-resisting qualities. It has a most attractive



Golden Self-Blanching Celery

Newark Market, continued

appearance, largely on account of the large, full-colored heart. This strain keeps better in the trench than any other and is the only green variety that will blanch up in cold storage, because it is so full-hearted. Pkt. 15 cts., oz. \$2, $\frac{1}{4}$ lb. \$7.

White Plume Perfected. An early distinct variety, with a silver-white color in its inner leaves, stalks, and heart. Crisp and of excellent quality. It requires little to blanch it, making attractive white stalks and leaves. Our stock is carefully selected. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.

Winter King. A very popular winter Celery and one of the very best keepers. It has been taken out in good condition as late as April or May. Produces very heavy stalks, large, hardy, and of a sweet flavor. Pkt. 15 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75, lb. \$9.

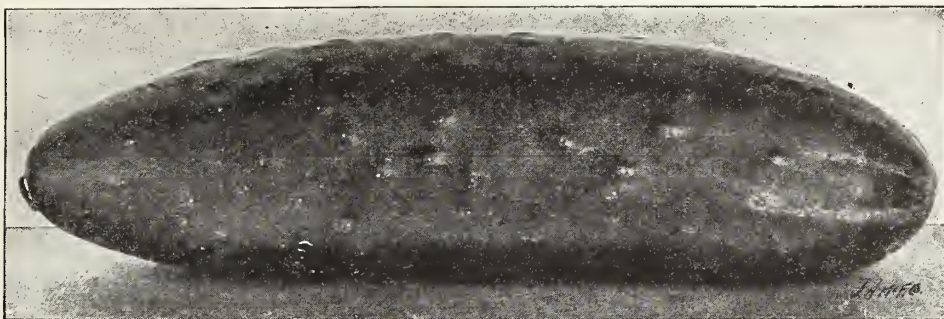
CELERIAC (Turnip-Rooted Celery)

One-fourth of an ounce will sow 100 feet of row

Use a rich, moist soil, and in the latitude of New York City sow about April 20, covering the seed with about $\frac{1}{2}$ inch of soil, firming it down well. Thin out to about 1 inch apart in the row, and when large enough, transplant into rows 2 feet apart and 5 inches apart in the row. Give thorough cultivation; after the roots have attained a diameter of 2 inches, they are fit for use. We print full cultural directions on every bag.

LARGE SMOOTH DWARF MOONARCHIE. This strain is superior in many respects to the older varieties as it is fine-grained, free from the side roots which are usually found on most varieties, has a short top, and produces a large, smooth, almost spherical root of fine quality. We recommend this variety as stronger and larger than the Prague. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$5.50.

Large Smooth Prague. A large smooth-skinned, turnip-shaped variety of good quality, very desirable for main planting, and is used largely as a flavoring or eaten as a salad. This is the old standard variety and comes second to our improved Moonarchie strain. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.



The "Forbes" Prolific White Spine Cucumber

CUCUMBER

One ounce will plant
50 hills

A warm, sandy loam, enriched with well-rotted manure, is best for early use; in the latitude of New York sow in hotbeds about April 1. We suggest starting in small pots to facilitate transplanting; cover the seed firmly with 1 inch of finely pulverized soil. When of sufficient size, transplant to hills 4 to 5 feet apart each way. It is well, beforehand, to mix one shovelful of well-rotted manure with the soil of each hill. For later use, at the approach of settled warm weather, sow in hills spaced as above, dropping ten or twelve seeds in each hill and cover firmly. For a succession, sow every ten or twelve days after all danger from insect attack is past. Thin to three to four plants to the hill. For pickling varieties sow from June 15 to July 10. We advise that all full size Cucumbers should be picked, whether required or not; if they are left on the vines, they will diminish the productiveness.

Arlington White Spine, Improved. This excellent variety produces Cucumbers of a very regular outline, uniform in size, and averaging 7 to 8 inches in length. Young fruits are dark green and when mature are bright deep green, pointed at each end. Flesh is white, crisp, and solid, with comparatively few seeds; a heavy yielder. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Cool and Crisp. Extra-early and prolific, bearing the whole season. Long, straight, tapering at both ends; dark green. Fine for slicing and a good pickler. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Davis Perfect. Our stock of this excellent early Cucumber is a delightful surprise to those who use it, as compared with other stocks offered. The long, even fruits are of comparatively small diameter and of an intensely dark, rich green color extending almost to the tip. The vines are of strong growth and very prolific. The handsome and regular fruits have a fine solid white flesh of a superior quality with very few seeds. They attain an average length of 10 to 12 inches and seem to hold the color and brittleness long after being cut. Excellent for resisting the Cucumber disease, and can be used under glass as well as for growing outdoors. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Early Green Cluster. An early productive variety. Vines hardy and vigorous, bearing fruits in clusters of two or three. They are short, thick, bright green, shaded lighter at blossom end, crisp, and tender. If picked frequently, the vine continues to bear for a long time. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Evergreen White Spine. This vigorous and productive table variety produces cylindrical dark green fruits 9 to 11 inches long with very white, crisp, tender flesh. Adapted for forcing. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Extra-Early Green Prolific. Very desirable for pickling as well as for table use. Dark green with comparatively short fruits, but produced in great abundance. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

THE "FORBES" PROLIFIC WHITE SPINE. A very few years ago we stumbled across an improved white spine Cucumber. It was just what we wanted because we knew that it was just what our customers wanted. This stock has been carefully selected and improved under our care until we believe that now we have in the "Forbes" unconditionally the best Cucumber on the market. We can now say that we sell yearly a greater quantity of the "Forbes" Prolific White Spine variety than all other sorts of Cucumbers added together. For vigor of vine, earliness, and uniform size of fruit, heavy cropping from

The "Forbes" Prolific White Spine, continued the start, fine dark green color, it has no equal. Ribs shallow, slightly veined white, just enough to give it the white spine appearance. The intense rich dark green color is good from blossom to stem end. Fruits are 8 to 9 inches long, nicely tapered off at each end. This strain has all the good qualities of the so-called "Perfect" White Spine Cucumber and none of the bad ones—no smooth black fruit and no white ones. It is just what the home-gardener has been waiting for, as it is earlier than any of the other white spine varieties, and will stand the hot sun better, and will yield more fruit earlier in the season than any other variety. Our stock is as near cull-less as it is possible to get one. Its uniform size, shape, and intensely dark green color are making this variety very popular as a slicing sort. In short, it is the very best type of the white spine family and should be grown by all. With the exception of our Newark Market Celery, we have never introduced anything which has made such a big national hit as this Cucumber. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Fordhook Famous. A fine long-fruited white spine strain, having a good flavor. Fruits straight and well-formed, with a lasting green color; flesh beautiful greenish white. This Cucumber is very prolific. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Improved Long Green. The very vigorous and productive vines bear uniformly slender, beautiful, dark green fruits, 12 to 15 inches long. The bulk of the crop matures late. A fine sort for slicing and largely used for pickles; fine for the home-garden. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Japanese Climbing. This variety can be grown on a trellis, producing fruits of dark green color and good quality. Grows decidedly better on a pole or trellis than if grown on the ground. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Jersey Pickling. The fruits are slender, cylindrical, crisp, and tender, 8 to 9 inches in length. Vines are productive and very vigorous. Desirable for pickling. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Klondike. A medium-early white-spined Cucumber of handsome, dark green color, slightly striped at the ends. Fine for slicing; vines are hardy and productive. The fruits are uniform in size and color, about 8 inches long and about 2 inches in diameter. The color lasts well in the hot sun, making it popular. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

West India Gherkin. This is a distinct, very small, oval, prickly fruited sort used exclusively for pickling. The fruit is 2 inches long and 1 inch in diameter and borne in abundance. Seed is slow to germinate. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

DANDELION

One ounce will sow
100 feet of row

Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with $\frac{1}{2}$ inch of fine soil. When plants are well developed, thin or transplant to 10 or 12 inches apart. Cultivate well, keeping clear of weeds, especially through summer. Leaves will be fit to cut the following spring. Leaves are best when blanched. This process removes to some extent the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by boarding them over. The leaves are used as salad or as boiled greens, the roots as a substitute for coffee, and the flowers to make wine. Full cultural directions on every bag.

Common, or French. This is the well-known Dandelion, very early and vigorous in growth, producing leaves of bitter flavor used as a salad. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.

Improved Thick-leaved, or Cabbaging. A distinct variety unsurpassed in thickness of leaf and deep green color. It grows compactly, forming a regular upright tuft, and making an abundant crop without using much ground. Far superior to the Common variety and blanches almost naturally. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.

EGGPLANT

One ounce will produce
about 1,000 plants

Any good garden soil will serve, but fertilizing will repay. In the latitude of New York City, start seed in warm greenhouse or hotbed in March or April. As the seed is slow to germinate, press soil firmly when covering. Be careful not to check growth by exposure. When plants are 2 inches high transplant to 3-inch pots. Set out in open ground about June 1, allowing $2\frac{1}{2}$ feet between plants each way. Hoe frequently, keeping the soil loose and fine. As the season advances it is well to cover soil with a mulch of straw 2 inches deep to preserve the moisture during the hot weather. Eggplant does best in warm weather. We print full cultural directions on every bag.

Black Beauty. We recommend this as the earliest and best of all the large-fruited Eggplants. Our stock produces fruits as large and ten days earlier than the older strain, New York Improved Spineless. The bushes are well rounded, sturdy, branching freely near the ground. The large fruits are thick, heavy at the base and reducing toward the stem, of a rich lustrous dark purplish black color, over the entire fruit. The stem and calyx are bright green, making a fine contrast and are entirely spineless. The fruits set freely and develop rapidly. Use this for your main planting. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.

Early Long Purple. An early variety with club-shaped dark purple fruits 6 to 8 inches long. Very productive and of fine quality. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Florida High-Bush. The productive bushes are large and high, usually holding the "eggs" well off the ground. Fruits medium size, pear-shaped, and of a dark purple color. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

NEW JERSEY IMPROVED. This is a very productive and early strain, and is considered one of the very best in cultivation. The plant is of low branching habit and is quite free from spines, with leaves of a light green shade. The fruits are very large and smooth, heavier at the base and narrowing toward the top end and are of a fine deep purplish black color. We especially recommend this Eggplant to you. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.60, lb. \$5.50.

New York Improved Spineless. A very excellent standard variety growing strong bushes, which are larger than the Black Beauty and better in that respect for keeping the "eggs" off the ground. The large dark purplish black fruits are heavy at the base and narrow toward the top end, and are smooth and of fine quality. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.60, lb. \$5.50.

ENDIVE

One ounce will sow 150 feet of row

Any garden soil will do. For an early supply sow, in the latitude of New York, about April 15. As it is used mainly in fall months, the main sowings are made in June and July, in rows about $1\frac{1}{2}$ feet apart, covering seed firmly with about $\frac{1}{2}$ inch of soil. When the plants are of sufficient size, thin to 1 foot apart in the row. Keep clear of weeds. When nearly full grown, gather the outer leaves together in conical form and tie the tips together in order to blanch the heart of the plant. Three to six weeks are required for blanching. Endive is one of the best salads for fall and winter use; it is also desirable for greens and for flavoring soups and stews. We print full cultural directions on every bag.

Broad-leaved Batavian. Rosette often 16 inches in diameter with broad, twisted, or waved green leaves and thick white midribs. Makes a fine "head" and blanches easily. The most extensively grown variety. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Green Curled Winter. A hardy variety forming a rosette 16 to 18 inches across, with very curly leaves and rosy colored midribs. Fine for an autumn crop. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

MAMMOTH BORDEAUX CURLED. This fine variety attains large size, growing 20 inches in diameter. The center grows very full and close. One of the hardiest kinds, suitable for summer and autumn. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

HORSE-RADISH ROOTS

The only practical way to grow Horse-Radish is by using the roots. Mark off the rows $2\frac{1}{2}$ feet apart, in rich moist well-prepared ground, and set the pieces of roots 18 inches apart in the rows vertically, the small ends down and the tops 1 to 3 inches below the surface. Cultivate thoroughly until the tops cover the ground, keeping free from weeds. We print full cultural directions on every bag.

MALINER KREN, or BOHEMIAN. A variety from Bohemia, far superior to the standard variety and producing very large, pure white roots. Strong sets, 20 cts. for 10, \$1.25 per 100, \$8 per 1,000.

Ordinary. The standard sort; very popular. Roots produced in New Jersey. Strong sets, 15 cts. for 10, 65 cts. per 100, \$5.50 per 1,000.

KOHLRABI

One ounce will sow 200 feet of row

Use preferably a rich light soil. In the latitude of New York City, sow in May or June in drills $1\frac{1}{2}$ feet apart, covering firmly with $\frac{1}{2}$ inch of soil. When plants are well established, thin to 8 inches apart in the row. Keeps weeds down. Plantings at intervals of ten days will give a succession until hot weather, when they fail to grow well. Kohlrabi may also be sown in hotbeds about February 15 and transplanted as above when 3 inches high. Plantings may be made the latter part of July for fall use. They should be used when the bulb above ground is 2 or 3 inches in diameter, as they become tough when old. Cook same as turnip. We print full cultural directions on every bag.

Early Purple. Very early with small top, leaf-stems tinged with purple. Bulbs of medium size, purple; flesh white and delicate. Good for forcing and early outdoor planting. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

Large White Vienna. Large; quick-growing; greenish white skin and tender white flesh. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

NEW SMOOTH WHITE VIENNA, SHORT-LEAVED. A handsome, very early variety with few short leaves, less than 8 inches long. Smooth white bulbs of medium size and fine quality, ready for table two and a half months after sowing. A very fine sort for forcing; can be planted closely and is by far the most popular with private gardeners. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.75.

KALE, or BORECOLE

One ounce will sow 200 feet of row

We advise using a rich light soil. In the latitude of New York City, for a late fall or early winter crop, sow early in June. For spring crop, sow in September and cover for winter with straw. Sow in drills $1\frac{1}{2}$ to 2 feet apart, so that plants may be cultivated when small. Cover seed firmly with $\frac{1}{2}$ inch of soil. Thin or transplant plants to $1\frac{1}{2}$ or 2 feet apart in the row. A frost greatly improves the quality. Used extensively as greens. We print full cultural directions on every bag.

Early Blue Curled Dwarf Siberian. Vigorous and hardy dwarf spreading habit with bluish green foliage, curled and crumpled at the edges. Will stand longer than any other sort before running to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

DWARF GREEN CURLED SCOTCH. This is one of the best Kales for spring sowing in the North and is the principal sort grown in the South for the northern markets. It is hardy and will remain over winter in any locality where the temperature does not go below zero. Rarely exceeds 18 inches in height; finely curled, spreading, bright green, long leaves. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

LETTUCE

One ounce will produce from 2,000 to 3,000 plants

A thoroughly worked warm garden soil will give good results, but soil should preferably be enriched with well-rotted manure or garden fertilizer. Sow seed in well-protected frames in February and in hotbeds in March, covering firmly but lightly. When about 3 inches high, transplant to coldframes a few inches apart each way. When well hardened, transplant to open ground 8 inches apart in rows 12 inches apart. The simplest method, however, is to sow the seed thinly in rows 1 foot apart, early in the spring as soon as the ground is workable. Cover firmly with $\frac{1}{4}$ to $\frac{1}{2}$ inch of soil. Continue sowings two weeks apart to get a succession throughout the season. Thin plants in rows first to 4 inches apart and as they begin to crowd, thin out and use. Thin heading varieties 10 to 12 inches apart in the row. We print full cultural directions on every bag.

HEADING VARIETIES

BIG BOSTON. (White-seeded.) This fine variety is extremely popular for outdoor culture in the spring and fall, and for coldframe forcing. The large flattened heads are compact, solid, and crisp. The plants are large, very hardy, and vigorous. The broad leaves are comparatively smooth, wavy at the edge, thin and crisp. They are bright, light green in color, the head slightly tinged with reddish brown. The quality of this Lettuce is excellent, and we recommend it as one of the best home-garden Lettuces. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Big Boston. (Black-seeded.) This variety closely resembles the White-seeded Big Boston but produces larger heads and is an exceptional Lettuce for spring and autumn; we do not recommend either Big Boston as a summer Lettuce. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

California Cream Butter. A hardy, reliable, heat-resisting sort, producing large solid heads, with glossy deep green leaves, the outer ones being slightly blotched with brown. When cut, the head reveals a large, solid, rich, light yellow, buttery heart. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

CHAMPION OF ALL, NOLL'S. Without a doubt the finest and largest head Lettuce for the gardener who looks for the best. The leaves are fine, thin, broad, and smooth, of a beautiful light green, forming the largest head we know of, measuring over 12 inches across. The compact heads, when cut, reveal a very solid, beautiful, pale greenish white and pale yellow heart of remarkably fine flavor, tenderness, and crispness. Our stock of this Lettuce has clearly shown its superior sure-heading qualities over the other heading varieties of its type. We introduced this lettuce in 1910, and have been gradually improving our stock since then, where it was possible to do so. It has also proved very much in demand as a large forcing sort. We recommend that you use this strain for your spring and fall planting. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Deacon. This is an excellent summer variety and is used largely for coldframes. The heads are of large size, very firm, and compact, with few outer leaves

LEEK

One ounce will sow 100 feet of row

A deep, rich light soil is best. Sow in early spring, about April 1, in the latitude of New York City, in rows 12 inches apart and 1 inch deep. Cover firmly. Thin plants to 6 inches apart in the row and draw the soil about them when cultivating. If very white, tender Leeks are desired, transplant when 6 inches high, setting 4 inches apart in trenches about 2 feet apart, and gradually earth up to the top of the neck when cultivating. Full cultural directions on every bag.

American Flag. A very fine, early, productive variety; a strong quick grower of mild flavor. The stems are 2 inches in diameter and blanch 10 inches from the root. An excellent sort for fall and early winter sowing. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

GIANT ITALIAN. Desirable for private use, being very hardy, long-keeping and equally as good for winter use when vegetables are scarce, as for a fall crop. Stem short, 6 to 8 inches long, but very thick, often 3 inches in diameter; leaves dark green. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Musselburgh. Large-growing, full-leaved with large thick stems 6 to 8 inches long. A good winter Leek. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

Deacon, continued

which are usually smooth, thick, and of a light green color. The inner leaves blanch to a rich yellow and are crisp and buttery. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Golden Queen. Very desirable; first early; golden yellowish green color and second to none for forcing. Of medium size but forms solid compact heads, tender and crisp. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.

Hanson. One of the most desirable later summer Lettuces. Large compact heads remaining in condition for a long time. Outer leaves are bright yellowish green, broad, slightly crumpled and frilled at edge, with a distinct midrib. Inner leaves are white, crisp, and sweet. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Noll's Champion of All Lettuce

HEADING LETTUCE, continued

Iceberg. A sure- and hard-heading variety, the medium-sized plants, with strong midrib, producing large, conical-shaped heads. Outer leaves light green, curly, and finely fringed. Hearts a beautiful white, crisp, and tender. Use this sort during the hot summer months. Fine appearance and mild flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

King of the Garden. A fine, fancy Lettuce for spring and fall, as it will not stand extremely hot weather. Will give the best results in spring, if sown in sash and transplanted out 15 by 15 inches. The large, light green, smooth-leaved heads are quite firm and of finest quality. Very tender and will not stand much handling. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

Mammoth Black-seeded Butter. This sort is a large, compact, cabbage-heading sort with thick, yellowish green, smooth leaves; heart beautifully blanched, crisp, tender, and buttery. It succeeds well at any season excepting the hottest weather. Very largely grown. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

May King. This handsome, extremely early, compact-heading Lettuce is very fine for outdoor use, the heads maturing sooner than those of the other varieties. Heads medium-sized and of excellent quality. Outer leaves light yellowish green, tinged with reddish brown when mature. Hearts blanch to a rich golden yellow, tender and buttery. Very desirable for forcing. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Mignonette. A small, sturdy, all-head Lettuce; outside leaves tinged russet; hearts yellow, tender, and crisp. Very early, hardy, long standing, and fine for late fall crop in coldframes. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

New York. We recommend this as one of the best summer Lettuces, being a large, vigorous, and deep-rooting variety. It resists the hot weather, is very slow to run to seed, and is a sure header under the most trying conditions. The outer leaves are of a green color; the inner ones blanch to a creamy white, crisp, tender, delicious, and sweet. The large heads often measure 15 inches across. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

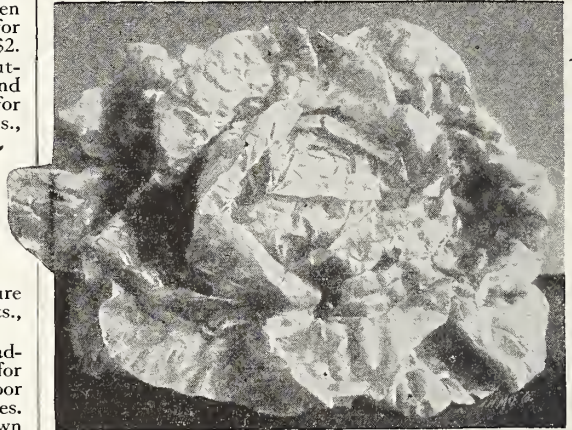
Philadelphia Dutch Butter. A medium-sized heading butter Lettuce, grown extensively under sash for an early spring crop. Also used for early outdoor crop; for this we advise transplanting from frames. The bottom leaves are slightly speckled with brown spots. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Salamander. A variety which stands the hot weather remarkably well, but as a hot-weather Lettuce it cannot beat Noll's Twentieth Century. Salamander forms a large, compact, light green plant; the broad, thick, somewhat crumpled and closely overlapping leaves blanching the inner ones to perfection. A very fine outdoor Lettuce. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

St. Louis Market. A medium-large, firm-heading variety which stands the hot summer months remarkably well. Used largely throughout the Middle West. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

TWENTIETH CENTURY, NOLL'S. If you have been looking for the best, large-heading summer or hot-weather-resisting Lettuce on the market, stop here and try out this one. We know that we can make you enthusiastic about it, along with the hundreds of other private gardeners who have stopped using the old standard, hot-weather sorts and are now using exclusively Noll's Twentieth Century. This stock produces large heads, is a reliable header, and very slow to run to seed. The outside leaves are broad, smooth, and of a delightfully fresh, light green color. The demand for this remarkable Lettuce has largely exceeded our anticipations. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

UNRIVALED, WHITE-SEEDED. An improvement on the White-seeded Big Boston, forming very solid, large, pale green heads without the reddish brown tinge, and of excellent quality. Forms a head in six weeks, at least ten days earlier than the regular Big Boston. May be sown all through the year and stands heat remarkably well. Is crisp, tender, and solid. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.



Unrivalled Lettuce

Wayahead. Shows a combination of extreme earliness, handsome appearance, fine quality, and sureness of heading. The oval heads are large, with light green outer leaves, the heart being blanched to a rich buttery yellow. Excellent for both coldframes in the early spring, and for open ground throughout the season. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

LOOSE-LEAVED VARIETIES

Black-seeded Simpson. A very large, clustering sort of attractive light yellowish green. The leaves are ruffled and blistered and of surprising tenderness. Also used for under glass or in frames. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

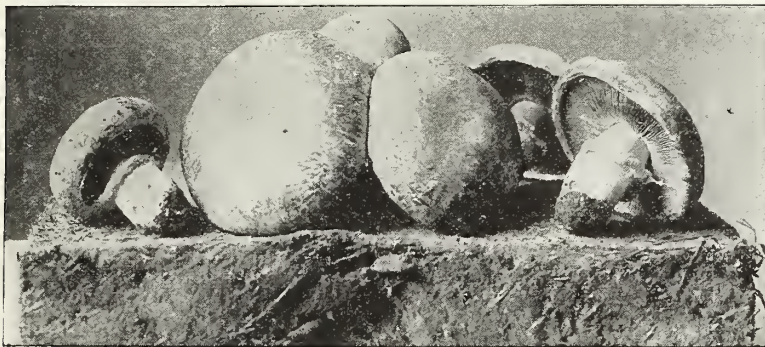
Early Curled Simpson. Forms a compact mass of yellowish green, curly leaves; earlier than head Lettuces; grown in coldframes and open ground. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Prize Head. Leaves finely curled and crimped, bright green tinged with brownish red, crisp and sweet. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Grand Rapids. Our stock of this variety is selected for uniformity and quality. This sort is the best and most popular loose-leaved Lettuce, being of quick growth, fine for greenhouse forcing and hardy. The plant is upright and carried well above the soil and so is little liable to rot and rust. It forms loose clusters of large, thin, bright green leaves, savored and finely crimped at the edges. This is a fine keeper, as the leaves do not wilt quickly after cutting and remain in condition several days. Our seed of this splendid Lettuce pleases the most particular. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

ROMAINE or COS LETTUCE

Trianon. The leader of this class of Lettuces; so we list no other. Head tall and very thick, blunt at top. Leaves are very light green, crimped, broad-ribbed, and of a long narrow spoon-shape. Easily blanched. Several days earlier than any other Cos. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.



Pure Culture American Mushroom Spawn

We believe that it is your desire to obtain seeds that will produce the best results in that garden of yours. We know that we can satisfy that desire.

MUSHROOM SPAWN

One brick will spawn an area of 8 or 9 square feet

As we could give only a brief description of the cultural directions for Mushroom Spawn in this catalogue, owing to limited space, we shall be glad to send you a copy of our "Mushroom Culture," if you are at all interested. Our leaflet describes in detail the conditions and care which are necessary successfully to grow a Mushroom crop. This interesting hobby is being taken up more each year by the home-gardener.

Pure Culture, American. It has been found possible to secure Mushroom Spawn from individual specimens, applying the same principles as used in the selection of plants. Our American Pure Culture Spawn is grown from spores taken from creamy white specimens of perfect form and mammoth size and it may be depended upon to produce a similar crop. Brick, 25 cts.; 5 bricks, \$1; 10 bricks, \$1.75; 100 bricks, \$16.

MUSTARD

One ounce will sow 75 feet of row

A good garden soil will produce excellent results. For early use sow in hotbeds in March, for general use sow as early in spring as the ground will permit, in drills about 18 inches apart, and cover seed firmly with $\frac{1}{2}$ inch of fine soil. Continue sowings about every two or three weeks until fall to obtain a succession. Cultivate frequently, keeping free from weeds, and water freely. In the South the seed may be sown in the autumn and the plants used early in spring as a salad and for greens. Mustard is used as an ingredient for prepared salads. The leaves are often cut and boiled like spinach. We print full cultural directions on every bag.

Fordhook Fancy. Has long, slender, plume-like, finely curled leaves of a deep green color with edges deeply cut. Very ornamental and productive, and stands a long time before running to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Southern Giant Curled. The leaves are large, light green with a yellow tinge, much crimped and frilled at the edges. The plant is upright or slightly spreading in growth, very hardy, and of good quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

White, or English. The large leaves of this variety are not crimped as much as the other sorts, but it is quite early. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 45 cts.

NASTURTIUM, or INDIAN CRESS

One ounce will sow 25 feet of row

It is best to sow the seed in rows about 1 inch deep in the spring as soon as the ground will permit. The seed pods gathered green are delicious when pickled and are used for seasoning, like capers. The leaves are sometimes used in making sandwiches.

Tall, or Large. The climbing variety; 10 feet high; ornamental flowers; large seeded. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

OKRA, or GUMBO

One ounce will sow 100 feet of row

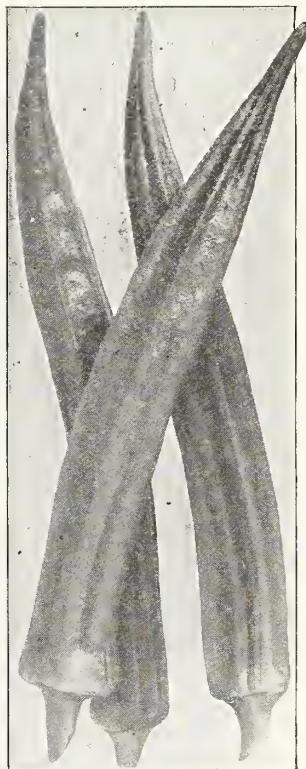
Use a rich garden soil. Sow in hotbeds in March and transplant after soil is warm, about May 15 in the latitude of New York City, in rows 3 feet apart, plants being 18 inches apart in the row. In a warm latitude Okra will mature before frost if sown in May in the open ground, thinly in rows 3 feet apart, covering firmly with an inch of soil. When plants are about 3 inches high, thin to 18 inches apart in the row. Cultivate often, keeping free from weeds. Pods are in best condition to use when from 1 to 3 inches long and while still young and tender, before the woody fiber develops. The pods are sliced and used for soups, stews, etc., or as a separate dish; also may be sliced in sections and dried like dried apples. Okra is used largely in the South and is becoming better known and more popular in the North each year. We print full cultural directions on every bag.

Dwarf Prolific. Of dwarf, stocky growth, very early and prolific. Excellent for the North, being quite hardy. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Long Green. Produces long slender green pods which are very tender. It grows taller than the Dwarf Prolific and bears in great profusion. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

PERKINS' MAMMOTH. This variety is about 3 feet high, very early and productive. Pods are deep green, very long, slender, slightly corrugated, and very tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

White Velvet. The plants are about 3 $\frac{1}{2}$ feet high, early maturing, and very productive. The pods are creamy white, long, smooth, slender, and are tender. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.



Perkins' Mammoth Okra

MUSKMELON, or CANTALOUPE

One ounce will plant
50 hills

After danger of frost is past, the ground being warm and in good condition, plant in rich soil, preferably sandy loam, in hills about 4 to 6 feet apart according to the vigor of the variety and richness of the soil. Plant, in the latitude of New York City, early in May, eight to ten seeds to the hill. Cover firmly with about 1 inch of fine soil. When plants begin to crowd and the danger from the striped beetle is over, thin out, leaving only the four strongest plants to the hill. Give shallow cultivation frequently, until runners grow to such an extent as to make this impracticable. The quality of melons is dependent largely upon weather conditions and the vigor of vines; unfavorable weather and unhealthy vines produce a poorly flavored fruit. To induce early fruiting, pinch the ends of the laterals. To prevent insect attack, dust with mixture of road-dust and air-slacked lime or wood ashes. We print full cultural directions on every bag.

GREEN-FLESHED VARIETIES

Baltimore, or Acme. Midseason variety; medium-sized, long, oval, slightly pointed at stem end, slightly ribbed, and covered when ripe with coarse netting. Flesh thick, green, sweet, and well-flavored. Productive; sure cropper. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25.

Extra-Early Hackensack. An early popular large sort, fruits weighing from 5 to 6 pounds each and produced in abundance. Nearly two weeks earlier than Hackensack. Fruits are round, slightly flattened from stem to blossom ends, with well-defined ribs and strong netting. Skin is green slightly tinged with yellow at maturity. Flesh is thick, rich green in color, slightly coarse, but juicy and of fine flavor. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25.

Hackensack, or Turk's Cap. About two weeks later than the above, but attains a very large size, round, slightly flattened from the ends with large ribs of irregular width, and heavily covered with coarse netting. Flesh is green, thick, coarse, but sweet and juicy. Vines are hardy, vigorous, and productive. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

HONEY DEW. We want all wide-awake, up-to-the-minute home-gardeners to notice this carefully. This is a new type of melon which has met with instantaneous public favor and created a sensation wherever used. The oval-shaped fruit is of good size, weighing 8 to 10 pounds, and is about 6 inches in diameter and 7 to 8 inches long. The smooth skin is dull white when ripe and it has no netting. The rind, though thin, is very tough. The flesh is rich, light green, and edible from very close to the rind to the seed-cavity which is relatively very small. This melon is not a casaba, the seed cavity being like the ordinary Cantaloupe. The wonderful new flavor of this melon is a surprise and a de-

Honey Dew, continued

light to all who enjoy a good melon. It has the sweetness of honey and the freshness of morning dew. An excellent keeper, the rind being so close that it preserves the flesh in good condition for from three to five months after it is ripe. The fruit is ready to eat when the light-colored rind feels soft under pressure. Seed planted about May 1 should begin ripening melons about August-15. The later melons can be piled and covered with straw and can be kept through October, November, and December. Pkt. 20 cts., oz. 60 cts., ¼lb. \$2, lb. \$7.

Jenny Lind. An extremely early, vigorous, and productive sort having rather small vines which produce small, round-flat, evenly ribbed, and moderately netted fruits of an attractive greenish gold color. Flesh is green, very sweet, and of fine flavor. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25.

Long Island Beauty. Fruits large, well flattened, and of the Hackensack type, covered with fine netting. It ripens quite early and the green flesh is of excellent flavor. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25.

MARYLAND. A happy combination of earliness, productiveness, quality, and size. Of the Rocky Ford type but far more productive, larger in size, and easily ten days earlier. Vines are strong and vigorous, producing slightly oval melons of fine, regular form and size, closely netted. Skin is light golden color when mature; flesh bright green, luscious, and ripening very close to the skin. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Rocky Ford, or Netted

Gem. Medium-early variety with vigorous and productive vines. Fruits are oval, very slightly ribbed, and densely covered with fine netting. Our stock is selected for uniformity of size as well as quality, both of which are very desirable. Flesh thick, green, sweet, and highly flavored. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.



Maryland and Long Island Beauty Muskmelons

GREEN-FLESHED MUSKMELONS, continued

SWEET AIR. If you want a melon that will excel in quality, in earliness, productiveness, appearance, and flavor, try this one. An all-round champion melon of an oval shape, very slightly ribbed, closely and finely netted. Truly a winner for the home-gardener. The luscious, very thick green flesh will surprise you. Grows to a large size and is remarkably uniform. The beautiful golden color of the skin makes an extremely attractive comparison with the fine green flesh. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

SALMON-FLESHED VARIETIES

Burrell's Gem. An oval-shaped melon of the Rocky Ford type, but with rich, thick, luscious salmon-colored flesh. Vines are very productive, vigorous, and robust, resisting blight to a remarkable degree. Fruits are medium sized, slightly ribbed, and covered with fine gray netting with small seed-cavity. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Emerald Gem. This melon is of the most delicious flavor; the thick salmon-colored flesh is granular, rich, and luscious, ripening close to the rind and with small seed-cavity. A very early variety of uniform medium size, very slightly flattened, round in shape, somewhat irregularly ribbed, with a deep green smooth skin, tinged with yellow as the fruit matures and very slightly netted. Vines are vigorous, prolific, and everbearing. Very largely grown in the home-garden on account of its sweetness and convenient size. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Improved Christiana. A very finely flavored variety with a dark green skin. Fruits are medium sized, yellow fleshed, and oval-round in shape. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

NOLL'S GOLDEN JERSEY. A small oval melon with very thick, rich, orange-colored flesh of an extremely delicious flavor. Rocky Ford shape, densely covered with fine netting, and slightly ribbed. This splendid melon combines extra-fine quality with uniformity of size, productiveness and very attractive appearance. It is just the right size for the table; one of the best small melons so far introduced. A medium-early sort, with vigorous vines and a small seed-cavity. Our stock is carefully selected for uniformity of size, shape, and quality, and we believe will more than please the most discriminating. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Osage, or Miller's Cream. The vines are vigorous and productive. Fruits are oval, of a medium-large size, with dark green skin, slightly ribbed and covered with shallow netting. The rich orange-colored flesh is very thick, allowing only a small seed-cavity, and is highly flavored. This melon matures rather late. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Tip Top, or Surprise. A very heavy-cropping, attractive melon in great demand. Fruits moderately large, nearly round, distinctly ribbed, and slightly netted, with light yellow skin when mature. Flesh deep salmon colored, thick, solid, and fine grained, of delicious quality and edible to the rind. This is a good early variety. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

WATERMELON

One ounce will plant
about 20 hills

A rich sandy loam is necessary and hills should be specially prepared 8 feet apart each way by working into the soil of each hill an abundance of fertilizer rich in nitrogen. Watermelons thrive best in warm latitudes, although in warm, sandy soils in the latitude of New York City fine crops are often obtained, if plantings are made in May. Cover the manured hills with 2 inches of fresh earth and plant eight to ten seeds to the hill, covering firmly with 1 inch of fine soil. When plants form first leaves, thin to the three strongest plants to the hill. At the appearance of insect attack, dust freely with tobacco dust. Give frequent but shallow cultivation until runners attain such size as to make it impracticable. A change of location from year to year is advisable in growing Watermelons. We print cultural directions on every bag.

Alabama Sweet. A very long, large melon, of deep green color with dark irregular striping. Flesh bright red, fine grained, and sweet. Grown extensively in the South. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90c.

Baby Delight. A luscious "individual" Watermelon, weighing three to six pounds, measuring about 6 by 7 inches. Skin is dark green, flesh carmine, solid and exceptionally sweet. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$4.

Cuban Queen. A standard and popular late variety. Large oval melons, striped dark and light green; flesh red and of excellent quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Dixie. A famous southern melon with dark green skin, striped or mottled with a lighter green; long shape. Flesh bright scarlet, rind thin but tough, making it a good keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

EXCEL. This excellent melon rivals Tom Watson as the leader for the South. It is a large, long, dark green melon with very faint stripes, with a thin tough rind, making it a wonderful keeping melon. Flesh is red and very crisp making it most attractive as a table melon. Under favorable conditions it will average 40 to 60 pounds to the melon and not infrequently as high as 75 or 80 pounds. A medium-early sort. Every melon-grower should try this one. Our stock is fine. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Florida Favorite. A splendid long melon of very large size and excellent quality. Dark green skin mottled and striped with lighter green; thin but firm rind. Flesh is very deep red, sweet, and tender. Vines vigorous and productive. A good keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts.

HARRIS' EARLIEST. The fruits are exceptionally large for such an extra-early melon and of excellent quality. Slightly oval with irregularly mottled broad stripes of light and dark green. Flesh bright red, tender, sweet, and crisp. Vines vigorous and productive. One of the best for the north. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Kleckley's Sweets, or Monte Cristo. A fine sort but will not stand much handling. Vines vigorous and productive; fruits are medium to large, oblong tapering slightly towards the stem end, and dark green. The flesh is very bright, rich red, and exceedingly sweet, crisp, and tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts.

Mammoth Ironclad. An old and popular oval-shaped variety; grows to an immense size; dark green with lighter markings; red flesh of fine quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

McIver's Wonderful. An excellent home variety of medium-large size, oblong shape, and mottled and variegated skin. Flesh exceedingly sweet, rosy pink, solid, and delicious. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Sweetheart. The fruits are mammoth, oval, and very heavy, with a thin firm rind. They are light green in color and slightly veined with a little darker green. The flesh is bright red, firm, tender, and sweet. The productive vines ripen the fruit evenly, and melons may be kept a long while after cutting. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

TOM WATSON. An exceptional keeping variety owing to its tough rind; grows very large-sized, long-shaped melons of very attractive dark green color. Flesh a rich red, sweet, tender, and crisp. Vines are very vigorous and productive. Wherever grown, this variety has become very popular. Our stock is selected from perfect melons, for uniformity, size, shape, and quality. We are positive that it will please you. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

CITRON

Colorado Preserving, Green-seeded. Medium-sized, round, dark green fruits distinctly striped and marbled with bright green. Flesh white and solid, and used only for preserving. Matures late in the fall. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts.

ONION

One ounce will sow 100 feet of row

Soil should be a soft dark sandy loam, not too fine; it should be well fertilized a year previous to using. For early crop, sow seed in coldframes in February, transplanting when large enough to handle. Largest exhibition Onions are grown in this manner. Regular open-ground sowing, in the latitude of New York City, should be made about April 20. Sow $\frac{1}{2}$ inch deep in rows 12 inches apart and thin out to 2 inches apart in the row. When plants are large enough, thin again to 3 or 4 inches apart. The row should be kept free from weeds by hand. Care should be taken in cultivating, not to go too deep and not to draw the soil up around the growing bulbs. We print full cultural directions on every bag.

RED VARIETIES

Extra-Early Flat Red. Bulb flat, about 3 inches in diameter, and about $\frac{3}{4}$ inch thick, of a coppery red color. This is the earliest of the red Onions to ripen, and the firm bulbs keep remarkably well. Hardy, very uniform in size and color, and of moderately strong flavor. Close-grained white flesh tinged with light purple. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Large Red Wethersfield. A very popular standard variety with handsome, large, bright purplish red, somewhat flattened although quite thick, smooth, glossy bulbs. Flesh is firm, purplish white, rather strongly flavored but pleasant. Medium-early or main-crop sort, very productive, and one of the best keepers. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

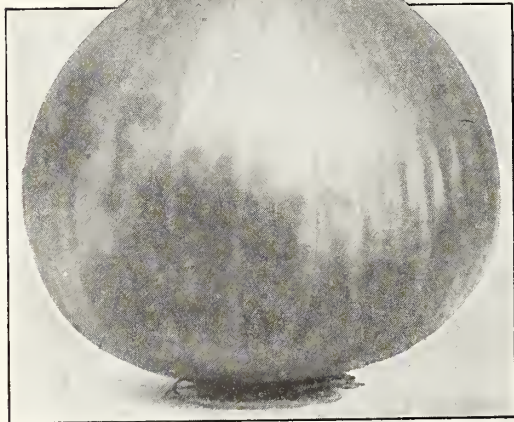
SOUTHPORT RED GLOBE. This most excellent medium-early or main-crop Onion produces medium-to large-sized, perfect globe-shaped bulbs, with small neck, smooth and glossy, and of deep purplish red color. Flesh is white, tinged with light purple, fairly mild, fine grained and tender. One of the best keepers. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

YELLOW VARIETIES

Michigan or Ohio Yellow Globe. A variety specially suited for muck soils. Bulbs are large, globe-shaped with flattened base, small-necked, with slightly more slope to the shoulder than the Southport Globes. The skin is a rich yellow, tinged with orange; flesh is creamy white, mild, and of fine quality. This main-crop variety is fine for keeping and ripens uniformly. Our stock is superfine. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

NOLL'S SELECTED YELLOW GLOBE DANVERS.

We urgently call your attention to this perfect strain of the standard Yellow Globe Danvers Onion. By very careful selections and breeding, we have developed a strain of this fine main-crop Onion which has retained the small neck and the uniformity of ripening without yielding any of the good features of the original strain and have,



Noll's Selected Yellow Globe Danvers Onion

Noll's Selected Yellow Globe Danvers, continued

in addition, improved the shape to a perfect globe and brought the stock to the utmost of perfection in uniformity of size. The bulbs, of medium to large size, are uniformly globe-shaped, with small neck, ripen evenly, and are of a rich coppery yellow color. The flesh is creamy white, crisp, solid, and of mild and fine flavor. An excellent keeper. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Prizetaker. A very handsome late or main-crop Onion of the largest size and nearly globular in form, sloping slightly at the shoulder and base. Skin is yellowish brown; flesh is creamy white, very mild, tender, and of fine flavor. A good keeper, if thoroughly ripened and fine for fall and early winter use. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

SOUTHPORT YELLOW GLOBE. The bulbs are large globe-shaped with rather full shoulder, of a rich yellow color. The Onion ripens down evenly, and keeps well. Flesh is creamy white, fine-grained, and of excellent flavor. Different from the Southport Red Globe only in color and mildness of flavor, the Yellow being much milder. Very hardy and extremely productive. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Yellow Dutch, or Strasburg. Extensively used for Onion sets. Large and quite flat, of a straw-yellow color. Flesh is creamy white, mild, and of fine quality. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Yellow Globe Danvers. This is the standard variety for main planting. Bulbs are globe-shaped, slightly flattened, of good size and rich copper-yellow color. Flesh is creamy white, crisp, solid, mild, and of good flavor. This is the original strain from which we selected the Noll's Selected Yellow Globe Danvers. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

WHITE VARIETIES

Mammoth Silver King. This is the largest flat white Onion grown, often attaining 4 or 5 inches across. A late-maturing variety and a fine keeper, making it desirable for fall use. Very productive; skin silvery white; flesh white, tender, and mild-flavored. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

SOUTHPORT WHITE GLOBE. The most popular and finest white Globe Onion to be had. A splendid main-crop Onion producing medium to large, pure white, handsome globe-shaped bulbs which are full at the shoulder and base. Very productive, and a fine keeper. Good Onions are produced only by using good seed; ours will do more than please you. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

White Barletta. This extremely early variety, bulbing in two months from time of sowing, is used very extensively for pickling and table use. The bulbs are very small, flattened on the top, with small necks, and rather conical at the bottom. White with silvery tinge. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.75.

White Bunch. Small flattened bulbs; skin pearly white; flesh of good quality and flavor. Tops are quite weak; should be used for early crop, although bulbs attain a good size if left to mature. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.75.

White Portugal, or Silverskin. An extremely popular and fine white sort for sets or for use when young. Mature bulbs are of medium size, flattened globe shape, of mild flavor and beautiful silver-white skin. Bulbs when young are nearly round and cannot be improved upon for table use, pickles, or for salad. This is the finest flattened white Onion for growing in the North, maturing about ten days earlier than Southport White Globe. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

WHITE ONIONS, continued

White Queen. A very early, very white, clean-skinned variety used for pickling when the bulbs are young and round in shape. The mature bulbs are about 2 inches in diameter and quite flattened. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

White Welsh. A very hardy perennial variety used solely for table or for green Onions in early spring. Seed may be sown in either spring or fall and makes fine enlargements by the following spring. It does not form a bulb but only an enlargement at the base of each shoot. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

ONION SETS

One quart will plant about 50 feet of row

The quantity given above is only approximate, as the size of Onion Sets varies considerably. We might add in this connection that small sets are the best to use for the home-garden, generally giving better satisfaction as well as giving a greater number of bulbs to the measured quart. If Onion Sets are to be sent by mail, please allow in your remittance, 7 cts. per pt., 10 cts. per qt., 30 cts. for 4 qts., and 50 cts. per pk., for the postage charge.

Prices subject to fluctuation with the market.

	Pt.	Qt.	4 qts.	Pk.
Red Onion Sets.....	\$0 18	\$0 30	\$1 00	\$1 75
Yellow Onion Sets.....	18	30	1 00	1 75
White Onion Sets.....	20	35	1 25	2 00
Shallots, or Multipliers..	20	35	1 25	2 00
Egyptian, or Top Onions	18	30	1 00	1 75

PARSLEY

One ounce will sow 150 feet of row

Parsley thrives in a deep rich mellow soil, very finely pulverized. The seed germinates more readily in cool, moist weather. As the seed germinates very slowly, sow as early as possible in the spring, in the latitude of New York City early in April, in rows 12 to 18 inches apart. Cover with $\frac{1}{2}$ inch of fine soil, pressing it down firmly. A succession may be had throughout the season by sowing at intervals of two weeks. When the plants are well up, thin to stand 1 to 2 inches apart in the row. The curled varieties, when about 3 inches high, can be cut off to advantage, each new growth showing an improvement over the previous one. The seed may be made to germinate more rapidly by soaking it over night in slightly warm water before using. We print full cultural directions on every bag.

Champion Moss Curled. A compact-growing, densely curled variety. Our stock is very popular owing to the very dark green color and extreme uniformity. Leaves used for garnishing. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Hamburg, or Parsnip-rooted. This variety is grown for the roots, which mature early, are short, thick, and in appearance like a parsnip, although smaller. Flesh is white, a little dry, and flavored like Celeriac. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

NOLL'S SELECTED EXTRA-DOUBLE CURLED.

This excellent strain is very vigorous, growing short stiff stems with compact, finely cut, very densely or double-curled leaves of an extremely dark green, exceedingly fresh-looking color. We have carefully selected this stock to produce plants of remarkable uniformity and which resist drought and heat better than any other variety. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Plain, or Italian. The leaves of this variety are flat, deeply cut, but not curled. It is a favorite on account of the very dark green leaves and hardness of the plant. Desirable for flavoring soups, etc. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

POTATOES

One peck will plant 100 hills; 12 bushels for one acre

The Potatoes listed below are grown especially for seed purposes and are superior northern-grown stocks. Potatoes are planted early and late. It is best to cut the Potatoes with two or three eyes to a piece, planting these in rows or hills about 3 feet apart and about 15 to 18 inches apart in the row. Careful cultivation, under usual conditions, will produce heavy crops. One-barrel sack contains 11 pecks, or 165 pounds.

Carman No. 3. This variety is enormously prolific, averaging a pound to the Potato, which is very uniform in shape, white-skinned with a few shallow eyes. The flesh is snow-white and of a fine cooking quality. Pk. \$1.25, bus. \$4, bbl. sack \$9.

Early Rose. This pink-skinned variety is an old standard and noted for earliness, productiveness, and fine quality. Pk. \$1.25, bus. \$4, bbl. sack \$9.

Green Mountain. This is a very reliable medium-late Potato thriving in all localities. We recommend it particularly for the home-garden. It produces heavy vines, yielding big crops of large, smooth, white-skinned tubers of handsome flavor. It is a good cropper and cooks white, dry, and mealy. Pk. \$1.25, bus. \$4, bbl. sack \$9.

Irish Cobbler. This fine early variety produces large, nearly round, handsome tubers, very uniform in shape and size. The flesh is white and of fine quality. The skin is a very light brown with a white netting. This is one of the most popular; a heavy cropper. Pk. \$1.25, bus. \$4, bbl. sack \$9.

Queen. This is a fine early Potato and one of the best, with a red and white skin and pure white flesh. It is very productive, yielding heavy crops of tubers of a fine quality, and is a good keeper. Pk. \$1.25, bus. \$4, bbl. sack \$9.

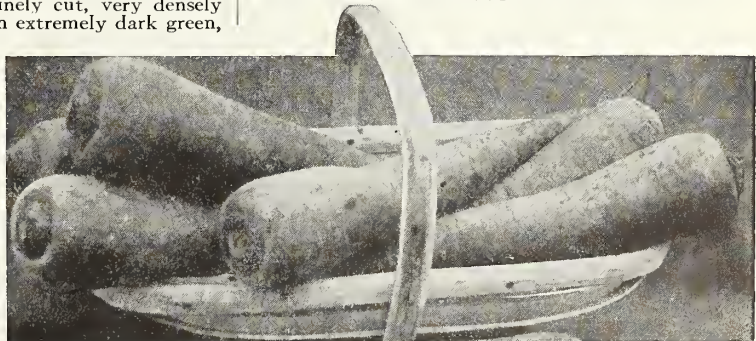
Owing to unsettled market conditions, prices on Potatoes are subject to change without notice

PARSNIP

One ounce will sow 150 feet of row

Use preferably a deep, rich, sandy soil although any deep, mellow, moderately rich soil will produce good roots. Sow as early in spring as possible, in the latitude of New York City in early April, in rows which are 1 $\frac{1}{2}$ feet apart, covering firmly with $\frac{1}{2}$ inch of fine soil. When plants are well up, thin to 2 or 3 inches apart in the row. Cultivate frequently. Parsnip seed is slow to germinate; therefore sowings should be made early and soil pressed down firmly over seeds. Parsnips are improved by frost and it is usual to take up in the fall only a quantity sufficient for winter use, leaving the rest in the ground to be dug in spring as required. We print full cultural directions on every bag.

NOLL'S IDEAL HOLLOW CROWN. This is the best table Parsnip. The roots are about 12 inches long, with smooth white skin, uniform in shape, tapering evenly from a heavy shoulder down to a small root, tender, and of best quality. The foliage grows out of the hollow crown or top of the root. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts.



Noll's Ideal Hollow Crown Parsnip



Eldorado
Pea

PEAS

One quart will plant
100 feet of row

For early varieties use a light, rich, warm soil; for general crop, a deep, moderately heavy soil is better. Avoid freshly manured, very rich, or wet, mucky soil. In selecting the kinds to be sown, be careful to choose such varieties as will mature in succession. As soon as the ground can be worked into a fine loose condition after frost is out, the extra-early smooth-seeded varieties should first be planted, and either smooth- or wrinkled-seeded plantings for a succession can be made at intervals of twelve days up to June 1. Discontinue sowings from June 1 until August, when the fall sowing should be made; use for this an extra-early sort. Very good success has, however, been obtained by sowing, between June 1 and August, round, smooth-seeded varieties instead of using the wrinkled Peas, as the latter are apt to mildew. Sow seed about 1 inch apart in double rows 6 or 8 inches apart and 3 or 4 feet between double rows. Cover firmly with 2 inches of fine soil. Thin plants, when well up, to eight or ten to the foot of row. Varieties growing over 1½ feet high do better if staked or brushed up when plants are 4 to 6 inches high. Dwarf varieties need no support. Cultivate frequently and keep free from weeds. The crop should be gathered as fast as fit for use. We print full cultural directions on every bag.

Wrinkled varieties are marked with an asterisk (*)

FIRST-EARLY AND EARLY VARIETIES

Alaska, or Earliest of All. A wonderfully productive, small-podded, extremely early sort, grown on a very large scale throughout the United States for first planting. The vines, of a peculiar, distinctive, light green tinge, are 2½ to 3 feet high. Pods are dark green, 2½ inches long, straight, round, and well filled with small, smooth, blue-green Peas of good flavor. This Pea matures an abundance of pods and is invaluable to the private gardener. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2, bus. \$7.

Ameer, or Large-Pod Alaska. This fine variety is rapidly becoming more popular with those who want a larger podding Pea of the Alaska type. The vine is more vigorous, 3 feet or a little more in height, of the same color, and a heavy producer of dark green pods over one-third larger than Alaska, filled with five to seven large blue-green round Peas of fine flavor. The crop ripens three days later than Alaska, and uniformly. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2, bus. \$7.

***American Wonder.** The earliest of the dwarf wrinkled sorts, vigorous and productive, with dark, luxuriant foliage. Vines dwarf, 12 inches high, of compact growth. Pods 2½ inches long, round, and crowded to the end with Peas of excellent quality. This crowding often makes the Peas appear almost square. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2, bus. \$7.

***BLUE BANTAM.** This remarkable dwarf extra-early wrinkled Pea is sure to be a winner. It combines extreme earliness, superb quality, and unusual productiveness, growing a very large pod for such a dwarf Pea. Vines average 15 inches in height, are very vigorous, and carry enormous crops of large, deep, bluish green pods. The handsome, pointed pods are 4 to 4½ inches long, smooth and packed tightly with eight to ten extra-large, deep bluish green Peas of a most luscious flavor. The pods mature as early as American Wonder and are of a Gradus size. Try this fine Pea; it will surprise you. Pkt. 15c., pt. 30 cts., qt. 50 cts., pk. \$3.25, bus. \$12.

ELDORADO. This is a new Pea and we are particularly anxious that you should try this excellent variety when ordering your seed for the coming season. It is in every respect a Pea of the highest merit. We have taken great pains to bring it to perfection. It is of a type that has been wanted for a long time and is easy of cultivation. The vines, growing only 12 to 15 inches

in height, require no brush or support and yield an enormously heavy crop of large dark green pointed pods, well filled with handsome Peas. It is a very early variety and quite hardy. We are anxious to have this Pea become well known, as we know that it will positively lead in popularity. Be sure to include this one. We have a surprise in store for you. Pkt. 15 cts., pt. 50 cts., qt. 80 cts., pk. \$5.50, bus. \$20.

***GRADUS, or PROSPERITY.** In this Pea we have an extremely early, large-podded, wrinkled variety which matures only a day or two later than the little round-seeded, small-podded extra-earlies. There is little wonder that this Pea was an instant success, as it combines a mammoth pod, 4½ to 5 inches long, with extreme earliness, and is very hardy and can be planted very early. The vines are heavy stemmed, with large, light green leaves, growing 3 feet high. Pods are straight, uniformly large, nearly round, pointed, and well filled with large, handsome, round Peas of splendid quality and beautiful light green color. The appearance and quality of this Pea place it in large demand. You must have heard of this variety of increasing popularity. Try it out yourself and make your Pea crop please you better than it ever has. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50, bus. \$9.

***LAXTONIAN.** We invite your attention to our leader. This wonderful, handsome, large-podding variety, with a 12- to 14-inch vine, has made a remarkable impression on the home-gardeners of this country and deservedly so, for we believe it to be one of the best Peas on our list. The dwarf vines are very vigorous, sturdy, and productive; foliage is dark green, producing very dark green, large, full pods 4 inches long, curving very slightly to the point. The quality is unsurpassed and the crop matures slightly earlier than Gradus. We heartily recommend this Pea to our customers. See illustration on front cover page. Pkt. 15 cts., pt. 35 cts., qt. 55 cts., pk. \$4, bus. \$15.

***Little Marvel.** This variety is very well named and we advise you to become better acquainted with it. The vines are of dwarf, even growth, 15 inches in height. They are sturdy and are heavily set with straight, square-ended, deep green pods nearly 3 inches long and well filled with six to seven quite large, deep green Peas. The quality is particularly fine. Pkt. 15 cts., pt. 30 cts., qt. 50 cts., pk. \$3.25, bus. \$12.

NOLL'S GRAND MONARCH. An exceptionally fine, extra-early Pea, 3 feet in height, bearing early large pods 3½ inches long, very fine dark green, well filled out with six to eight large, round Peas of a peculiar green color and of very excellent flavor. The vines are of strong, vigorous, sturdy growth and mature the pods just after the little Alaska. The seed, being smooth and round, can be planted very early, just as early as the extra-earlies. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25, bus. \$8.

FIRST-EARLY AND EARLY PEAS, continued

***Nott's Excelsior.** This splendid early Pea has robust vigorous vines, is dwarf and uniform in growth and a very heavy yielder. Usually ready in forty to forty-five days from planting, growing about 14 inches high. Pods $2\frac{3}{4}$ inches long, straight and round. In sweetness and quality the Peas are unsurpassed. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2, bus. \$7.

Prolific Early Market. A smooth, white-seeded variety, extra early, bearing profusely large handsome pods $2\frac{3}{4}$ inches long, blunt-ended and light green in color. Height of vines $2\frac{1}{2}$ to 3 feet. Pods are well filled with fine Peas. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25, bus. \$8.

Selected Extra-Early. A very prolific, uniform strain, growing vigorous vines 2 to $2\frac{1}{2}$ feet high. Pods are medium-sized, produced singly, but are very heavy on the vines, this being a strong cropper. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25, bus. \$8.

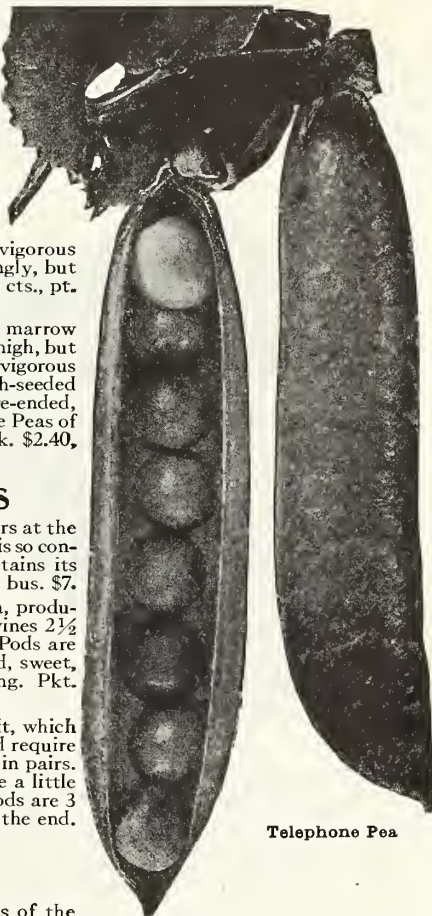
***Thomas Laxton.** An exceptionally good extra-early, wrinkled marrow Pea of great merit. Vines resemble Gradus, growing about 3 feet high, but are lighter in color and mature a few days earlier. This Pea has a vigorous hardy constitution and can be planted with the first-early smooth-seeded sorts. The productive vines grow a heavy crop of straight, square-ended, dark green pods $3\frac{1}{4}$ inches long, and containing seven to eight fine Peas of rich flavor and deep green color. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.40, bus. \$8.50.

SECOND or MEDIUM-EARLY VARIETIES

***Heroine.** This medium-early sort produces $2\frac{1}{2}$ -foot vines and bears at the height of the season an abundant crop of large, well-filled pods. It is so constituted that it does extremely well in our hot summers and retains its very excellent flavor. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2, bus. \$7.

***Horsford's Market-Garden.** A very fine, early, main-crop Pea, producing an enormous crop of rather small pods growing in pairs, on vines $2\frac{1}{2}$ to 3 feet high; hardy, with dark green foliage and small leaves. Pods are $2\frac{1}{2}$ to 3 inches long, each containing five to seven medium-sized, sweet, dark green peas. This variety is fine and is used largely for canning. Pkt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$1.75, bus. \$6.50.

***SUTTON'S EXCELSIOR.** A wrinkled second-early of great merit, which we most confidently recommend. Vines are rugged and strong and require no support. It is an abundant cropper, frequently producing pods in pairs. The 14- to 16-inch vines are exceedingly productive; pods mature a little later than Nott's Excelsior, but, foliage is lighter green. The pods are 3 to $3\frac{3}{4}$ inches long and very broad, straight, and well filled to the end. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25, bus. \$8.



Telephone Pea

LATE or MAIN-CROP VARIETIES

***Alderman.** One of the very best of the first main-crop varieties of the Telephone type. The vines are tall, growing about $4\frac{1}{2}$ to 5 feet high, dark green, vigorous, and exceedingly productive. The very large pods are $4\frac{1}{2}$ to 5 inches long, dark green, straight, pointed at the end, and contain eight to nine very large Peas of superior flavor. The handsome, dark pods retain their color and freshness for a long time. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25, bus. \$8.

***Champion of England.** A standard, very productive, main-crop variety, universally admitted to be one of the richest and best flavored of the late Peas. The vigorous vines are 4 to 5 feet high, medium green foliage, pods about 3 inches long, blunt, medium dark green in color, broad, and nearly straight. Our stock of this Pea is a fine one. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2, bus. \$7.50.

***DUKE OF ALBANY, or AMERICAN CHAMPION.** This fine, large, wrinkled Pea is similar to the Telephone but the vine is not so long, while the pods are a little larger and produced in greater abundance. The vines are $4\frac{1}{2}$ to 5 feet high, vigorous, and strong growing, with dark green foliage and dark green pods $4\frac{1}{2}$ to 5 inches long, straight and thick. Its productiveness, size, and color make it a very satisfactory Pea to grow. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25, bus. \$8.

Large Black-Eye Marrowfat. This is a well-known, later-maturing variety with vines about 5 feet high. It is very prolific, producing pods about 3 inches long, and is one of the best late sorts. Pkt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$1.75, bus. \$6.

***Telephone.** This is the recognized late Pea for the home-garden where a fine appearance, high quality, and large-sized pod are wanted. Vines are tall, vigorous, $4\frac{1}{2}$ feet high, with large, coarse, light green leaves and producing an abundance of attractive, pointed pods 4 to 5 inches long, filled with Peas which are tender, sugary sweet, and of an excellent flavor. The standard late sort. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25, bus. \$8.

Has it ever occurred to you how easy it is to grow Peas and to keep a successive supply of fresh, young, green Peas for your table use throughout the season? Think this over and see whether your garden cannot be made to produce such results. We should be glad to co-operate with you. By using Noll's seeds and Planet Jr. implements, the time and effort necessary would be reduced to a minimum.

PEPPER

One ounce will produce
1,000 to 1,200 plants

Peppers require a rich, well-prepared, warm soil. Sow $\frac{1}{2}$ inch deep in hotbed in March. When plants are 1 inch high, transplant into 2-inch pots and, after the open ground is warm, about June 1 in the latitude of New York City, transplant to rows $2\frac{1}{2}$ to 3 feet apart, plants being $1\frac{1}{2}$ to 2 feet apart in the row. Seed may also be sown in the spring in the open ground, after danger of late frost is over, and when plants are 3 inches high, transplant as above. Cultivate frequently to keep soil mellow and free from weeds. When plants are 6 inches high, manure, well hoed into the surface soil around each plant, will increase the product. Full cultural directions on every bag.



Ruby King Pepper

CHINESE GIANT. An exceedingly large red Pepper.

The plants are vigorous but stocky, 2 feet high, well-branched, and thickly set with fruits. The monstrous fruits mature slightly later than Ruby King, are blocky in form, 4 to 5 inches broad at the top and of equal length, divided into four or more ridges, of a brilliant glossy scarlet, and mild in flavor. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.

Crimson Giant, or Ohio Crimson. Similar shape to Bull Nose, averaging $4\frac{1}{2}$ inches long and $3\frac{1}{2}$ inches across the top. Flesh is thick, firm, mild and sweet. Plants are $2\frac{1}{2}$ to 3 feet high. The fruit is deep green when young, deep crimson when matured. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.60, lb. \$5.50.

Large Bell, or Bull Nose. The plants are vigorous, about 2 feet high, compact and productive, ripening their crop uniformly and early. Fruits are large, about 3 inches long and 3 inches across the top, with very thick, mild flesh of excellent quality. The color is deep green when young, glossy scarlet-crimson when ripe. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.

Long Red Cayenne. A red hot variety. The slender, tapering, twisted, pointed pods are pendent and average 3 inches in length, diameter reducing from $\frac{1}{2}$ inch to the point. They are deep green when young, bright red and very pungent when ripe. Plant is productive, branching, and with dark green foliage. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Neapolitan. Large handsome Peppers, about 4 inches long and 2 inches in diameter. Bears ten days earlier than any other large red variety. Fruits are green when young, a glossy red when ripe; flesh solid and mild. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Red Chili. A late variety having bright, rich red pods, about 2 inches long and $\frac{1}{4}$ to $\frac{1}{2}$ inch in diameter at the shoulder, tapering to a sharp point and exceedingly pungent when ripe. Very hot and produced in abundance. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

RUBY GIANT. This fine variety is a cross between Chinese Giant and Ruby King. The fruits average $4\frac{1}{2}$ inches long and $3\frac{1}{2}$ to 4 inches wide at the thick end, of shape similar to Chinese Giant but far more uniform. The flesh is very thick with comparatively few seeds, mild and sweet in flavor. Deep green when young, brilliant ruby-scarlet when ripe. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.

Ruby King. A very attractive well-known variety of merit. The plants are about $2\frac{1}{2}$ feet high, vigorous, compact, and very productive. The fruits are 4 to 5 inches long, of a deep green color when young and bright red when ripe. The shape is similar to Bull Nose but longer, slimmer, far more symmetrical, and more perfectly formed. Flesh is thick, mild, and sweet. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.

Sweet Mountain, or Mammoth. Nearly identical with Bull Nose, but is slimmer and a trifle longer. Fine long fruits with thick flesh of pleasing mildness. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.

PUMPKIN

One ounce will plant
about 25 hills

Pumpkin does best in a good rich soil. Plant after the ground has become thoroughly warm, in May in the latitude of New York. When grown alone, plant in hills 8 feet apart each way, dropping eight seeds to a hill. Cover firmly with 1 inch of soil. After plants are well started and danger of bugs is past, thin to 4 plants to each hill. Cultivate frequently until vines have well started to run. Avoid planting near other vines. Pumpkins may also be planted in the cornfield, dropping two or three seeds in every third or fourth hill of corn. When leaves have been cut down by early frost the Pumpkins should be gathered, cutting them from the vine with the stem attached. They can be kept in a warm, dry, well-ventilated place, away from frost for an indefinite time. We print full cultural directions on every bag.

Connecticut Field. A productive, large, orange-colored, field Pumpkin, round and slightly flattened from top to bottom. Usually grown between corn hills. Very extensively grown for stock-feeding but it also makes good pies. Flesh is deep rich yellow, fine-grained, and highly flavored. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

King of the Mammoths, or Jumbo. The largest of all Pumpkins. Fruits grow to enormous size, sometimes 3 feet in diameter and weighing 200 pounds and over. Shape flattened round; skin light salmon-orange colored, very thick and slightly rough; flesh is bright yellow, fine-grained, and of very good quality. Fine for stock-feeding, also for cooking. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Large Cheese, or Kentucky Field. The fruits are large, flattened-round, the diameter usually being twice the thickness from top to bottom. The skin

Large Cheese, or Kentucky Field, continued is mottled light green and yellow, changing to creamy yellow when mature. Flesh is yellow, tender, and of excellent quality. Very popular in the South but not so well adapted to northern use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Small Sugar, or New England Pie. This excellent variety is small, round, or somewhat flattened, about 8 to 10 inches in diameter, slightly ribbed, and of a deep orange color. The flesh is a rich deep yellow, fine-grained and very sweet. A superb kind for pies. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Winter Luxury. The fruits are of medium size and nearly round. The skin is light yellow, smooth, and covered with a fine gray netting. Flesh is light yellow, very thick, sweet, and finely flavored. This variety makes delicious pies. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

RADISH

One ounce will sow
100 feet of row

Whether grown for an early or a late crop, Radishes require a well-pulverized, light rich soil. As the tender, crisp, and mild quality of a Radish depends much upon the rapidity with which it reaches maturity, the bed should be in a warm, sheltered situation. Young Radishes are tender, but as they grow old, the quality rapidly deteriorates and they become soft and pithy; therefore successive plantings of seed should be made at intervals of one week. For an early supply, the seed should be sown in a hotbed. For general use, sow, in the latitude of New York, from March 15 to September, thickly in rows 12 to 14 inches apart and cover firmly with 1 inch of fine soil. Thin plants to stand, early varieties 1 inch, late varieties 2 to 4 inches apart in the row. If sown after June, select a cool spot which is shaded during part of the day. Winter varieties should be planted during August, lifted before severe frost, and stored in the same manner as are turnips. We print full cultural directions on every bag.

EARLY ROUND VARIETIES

BRIGHT RED FORCING. An excellent extra-early forcing variety, forming Radishes which are uniform, small, nearly round, and of bright scarlet color. Tops are very small. Flesh white, crisp, and finely flavored. Matures in 20 days. Our stock of this perfect Radish is clean and fine. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Crimson Giant. A nearly globe-shaped Radish, very large, and remaining in good condition a remarkably long time for such an early variety. Skin is fine crimson, and flesh pure white and of excellent quality. If you want a large round forcing Radish, try this variety. It matures very quickly and is tender and crisp. A fine sort for open ground. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

EARLY SCARLET GLOBE. This Radish is a little longer than round, a rich bright scarlet in color, with tiny thread-like roots. Has a very small top and we recommend it as one of the best forcing varieties. The flesh is white, tender, and crisp. A fine early outdoor Radish for table use. Our stock has pleased particular customers all over the United States. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Early Scarlet Turnip. A rich scarlet-red radish, round, turnip-shaped with small top. Flesh is white, crisp, tender, and of mild flavor. This Radish is of very rapid growth and a standard variety. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

EARLY SCARLET TURNIP WHITE TIPPED, NOLL'S STRAIN. A very excellent variety and deservedly a great favorite for early planting outdoors. It is medium-sized, nearly round, being very slightly flattened on the under side; and of a bright rose-carmine-scarlet color with a distinct white tip. Flesh is white and of best quality. We pride ourselves in keeping our stock exceptionally pure and clean, producing unusually fine deep color and a clearly defined, ample white tip. It is really fine. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Philadelphia White Box. A very fine early Radish, round, slightly flattened, and white. It has a medium top, matures early, and is grown extensively both under sash and outdoors. Our stock is excellent. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Rosy Gem, or Rapid Forcing. A beautiful variety of Scarlet Turnip White Tip for forcing; has small tops and can be planted closely. Matures in twenty-one days. Popular. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Sparkler. We have an exceptionally fine stock of this Radish which has more than pleased all who used it during the past two years. The shape is round, slightly flattened on the under side, and the coloring is remarkably attractive. The top two-thirds of the root is of a very deep rose-carmine while the distinct white tip covers the lower third. Many have remarked that it looks as if it had been painted on; the two colors meet in a clean-cut line. This is the prettiest stock we have ever seen. It will mature medium-sized Radishes in about twenty-eight days and is an excellent keeper. The quality and flavor are fine. We recommend this for outdoor use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

EARLY OLIVE-SHAPED VARIETIES

French Breakfast. A rapid-growing, small, olive-shaped variety about $1\frac{1}{2}$ inches long by $\frac{5}{8}$ to $\frac{3}{4}$ -inch in diameter when fully grown. It is colored a beautiful deep rose-scarlet excepting the small tip which is pure white. Its small top and earliness make it a fine sort for growing under glass, and it is an excellent variety for planting outdoors. This variety is one of the most popular with the home-gardener owing to its crispness and attractive appearance on the table. We urge you to include this one in your seed order. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Olive-shaped Deep Scarlet White-tipped Forcing. The name of this variety describes it well but we might add that the top is small and allows close planting and it matures rapidly. The flavor is very mild and excellent. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Olive-shaped Scarlet. This is an old favorite, half-long or oval-shaped variety maturing in twenty-five days and of a bright rose-carmine color. Flesh white crisp and mild. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Olive-shaped Golden Yellow. The oval roots taper at the base and are about $1\frac{1}{2}$ inches long and 1 inch in diameter when mature. This sort matures quickly, has small tops, and resists the summer heat better than the white or scarlet sorts. The color is golden yellow, often russeted. The flesh is white, slightly pungent, crisp, and tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.



Noll's Early Scarlet Turnip White-tipped Radish

EARLY LONG RADISHES

Cincinnati Market. This fine variety has long, smooth, slender, uniform, tapering roots about 6 to 7 inches long when mature and $\frac{5}{8}$ inch in diameter at the shoulder. It is of a fine deep red color. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

ICICLE. A beautiful, waxy white, long-rooted Radish, gradually tapering down from the shoulder which is about $\frac{1}{2}$ to $\frac{3}{4}$ inches in diameter. The roots are usually 5 or 6 inches long and have small tops. This is the earliest of the long-rooted early summer white sorts and is very desirable for outdoor planting, and also good for forcing. Flesh is crisp and tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Long Scarlet Short Top. This standard, most excellent Radish has comparatively short small tops. The roots are smooth, slender, uniform in shape and of a very attractive, bright carmine-red color. They grow about one-third out of ground and continue crisp and tender until mature, when they are about 6 inches long. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Long White Vienna, or Lady Finger. An early-maturing, attractive summer Radish with medium tops. Roots are long, clear white, slender, smooth, about 6 to 7 inches long and $\frac{3}{8}$ to $\frac{1}{2}$ inch in diameter at thickest part when mature. Flesh crisp, tender, and mild. Matures in about twenty-five days. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

SUMMER AND AUTUMN VARIETIES

Chartier, or Shepherd. A fine large, long, slender summer sort. Root crimson, fading to white at tip; flesh white, crisp and delicious, remaining in good condition for a long time. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Giant White Stuttgart. A large, turnip-shaped, white summer Radish, 4 inches in diameter, and a fine keeper. Matures in six to eight weeks, although often sooner. Flesh is white and crisp. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

WHITE STRASBURG. The roots are of a very much elongated turnip-shape, 4 to 6 inches long and $1\frac{1}{2}$ to 2 inches in diameter when mature, thick at the shoulder and roundly tapering. Flesh crisp, solid, and fine. One of the best late summer sorts. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Yellow Summer Turnip. A good-sized, round summer variety of good quality, solid, fine, but best used when young. Skin is a bronzy yellow; flesh white and crisp. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

WINTER VARIETIES

Celestial, or Chinese Winter. An extra-fine, very large, white, cylindrical-shaped smooth Radish often growing 12 inches long. When fully matured, roots will average from 6 to 9 inches long and $2\frac{1}{2}$ to 3 inches in diameter. Beautiful white skin; flesh pure white, compact and crisp. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Half-Long Black Spanish. This variety produces roots with grayish black skin, 4 to $5\frac{1}{2}$ inches long

WINTER VARIETIES, continued

and 2 to 3 inches in diameter at the thickest part, rounding out from the top and gradually decreasing in diameter to a half-long point. Flesh is white, well flavored, crisp, and somewhat pungent. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Long Black Spanish. A very late, hardy, long sort, and fine for winter use. The roots are 7 to 9 inches long and 2 to 3 inches in diameter at thickest part, gradually tapering to a point, almost black, and somewhat wrinkled. Flesh is white, firm, very pungent, and of fine flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Rose China. The roots are cylindrical, slightly heavier at the lower end, and blunt at both ends. Skin bright carmine; flesh white, crisp, firm, and pungent. Mature roots are 4 to 5 inches long and $1\frac{1}{2}$ to 2 inches in diameter. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Round Black Spanish. Roots are round, slightly top-shaped, 3 to 4 inches in diameter and about 3 inches long. Skin black; flesh white, firm, and very pungent, but finely flavored. This variety keeps well through the winter. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

RHUBARB, or PIE PLANT

One ounce will sow 125 feet of row

Rhubarb succeeds best in a very rich deep soil. Sow, in the latitude of New York City, in April in rows 1 foot apart and cover firmly with 1 inch of fine soil. When 5 or 6 inches high, thin out plants to stand 12 inches apart in the row. Keep well cultivated. In the fall or early spring they can be transplanted to a permanent bed, standing 3 feet apart each way. The stalks should not be gathered until plants have had a full season's growth. If propagated by dividing the roots, it may be done in fall or spring, setting divisions

out 3 feet apart each way. Use plenty of farmyard manure. The soil cannot be too rich. We print full cultural directions on every bag.

Seed. Our stock of Rhubarb is saved from selected plants of the Linnaeus, Victoria, and other varieties but, like seed from fruit trees, Rhubarb seed cannot be depended on to reproduce the same varieties. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Roots. Reliable standard variety. \$1 for 10, \$9 per 100, \$80 per 1,000.

SORREL

One ounce will sow 100 feet of row

Sow in any good rich garden soil, early in spring, thinly in rows 12 to 18 inches apart. Cover firmly with $\frac{1}{2}$ inch of fine soil. Thin seedlings to 6 or 8 inches apart in the row. Commence cutting in about two months after planting; the plants will continue to bear fully for three or four years. If allowed to remain in the ground, Sorrel should be taken up and divided once every four or five years. As the hot sun tends to increase the acidity, a northern exposure is preferable. Sorrel should be cut and cooked like spinach when it is very palatable, or should be used uncooked when cool. We print full cultural directions on every bag.

Large French Broad-leaved. The best of the garden Sorrels, having large, pale green leaves of mild, acid flavor; esteemed as a salad, also cooked as greens, etc. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.



Icicle Radish

SALSIFY, or OYSTER PLANT

One ounce will sow
50 feet of row

Does best in a light, well-enriched mellow soil which, previous to sowing, should be dug to a depth of 18 inches. Sow early in spring, about April 15 in the latitude of New York City, in rows 18 inches apart. Cover the seed firmly with 1 inch of fine soil. When plants are well started, thin out to stand 1 to 2 inches apart in the row. Cultivate well with a hand cultivator. This is one of the most desirable winter vegetables; the roots when cooked are very palatable and nutritious. The roots are perfectly hardy and may remain out all winter, but the quantity required for winter use should be taken up and stored before the ground freezes. The balance should be dug early in spring as they deteriorate rapidly after growth again commences. We print full cultural directions on every bag.

Giant White French. The root of this variety measures from 6 to 8 inches long and about 1 inch in diameter, is very fleshy and covered with a rather smooth, yellow skin. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

MAMMOTH SANDWICH ISLAND. A valuable improvement over the ordinary type, producing larger, thicker, and tapering, smooth, white roots. Leaves are larger and greener. The most popular sort. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

SPINACH

One ounce will sow
100 feet of row

Spinach will do well in any garden soil, but it is best developed and most tender and succulent when grown in a good rich soil. Sow thinly in rows 12 inches apart to allow for frequent cultivation. Cover firmly with $\frac{1}{2}$ inch of fine soil. When the leaves on the plants are an inch wide, thin out to stand 4 to 6 inches apart in the row. For early spring crop, in the latitude of New York, sow in September and winter over by covering lightly with straw or salt hay. In latitudes farther south and in sheltered fields there is no necessity for covering. For spring use it may also be sown as soon as the ground can be worked in spring; for general use sow at intervals of two or three weeks from April to August, except in localities where summers are hot and dry. Under favorable conditions the leaves will be ready for use in eight weeks from planting. We print full cultural directions on every bag.

BELGIUM EVERGREEN LONG-STANDING. A late variety, very desirable for spring and summer sowings. Leaves are medium-sized, well-rounded, somewhat smooth, and produced close to the ground. Withstands hot, dry weather and is very slow to run to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

BLOOMSDALE, or NORFOLK SAVOY-LEAVED. Best for fall but, if sown very early in the spring, will produce a good crop. This early productive variety forms large glossy dark green leaves, crumpled or blistered, very thick and of great substance. The most largely grown Spinach on the market. Has a tendency to bolt to seed in warm weather. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

LONG SEASON. An excellent second-early variety with small plants growing close to the ground, with thick, somewhat crumpled, very dark green leaves and short fleshy stems. Does not readily crush. Will keep in the garden in good condition for a remarkably long time. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Mammoth Italian Long-standing. This is the largest-growing Spinach and one of the best second-early varieties. Leaves are very broad and of mammoth size, dark green, and slightly crumpled. The plant is of rather upright growth. An excellent keeper, stands a long time without running to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

New Zealand. A distinct Spinach, differing from each of the true Spinach varieties. Thrives in hot weather and any soil, rich or poor. The plant is of a spreading habit, growing very large, and has comparatively small, broad, pointed leaves. The tender shoots can be cut throughout the summer and are of good quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Round-leaved Winter. An excellent variety to winter over for spring cutting. Very productive, with round

Round-leaved Winter, continued

thick leaves, nearly smooth, and growing close to the ground. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Victoria. A low-growing variety forming flat on the soil a rosette of exceedingly thick, dark green, glazed, much crumpled leaves. Good for either spring or fall sowing and stands long before going to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Viroflay Giant Thick-leaved. A large-growing early variety with very thick, large, somewhat crumpled leaves of dark green color. A fine variety for both fall and spring sowing. A rapid grower. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.



Long Season Spinach

May we have the privilege of supplying you with your Lawn Grass Seed this year? We make our own mixtures from the best natural grasses obtainable throughout the world, and know that they are what you should have. See page 32. Lawns, like many other things, to be at their best need constant attention. Each year they should be sown with new Lawn Grass Seed to freshen and strengthen them.

SQUASH

A warm, light, rich soil is best. This may be enriched by mixing a shovelful of fertilizer thoroughly with the soil in each hill. As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather, about May 15 in the latitude of New York City. Summer varieties should be planted in hills 4 to 6 feet apart each way, winter varieties 8 to 10 feet apart each way. Drop about six seeds to the hill. Cover firmly with $\frac{1}{2}$ inch of fine soil. When plants have attained their third or fourth leaves, thin out, leaving the three strongest plants in each hill. We print full cultural directions on every bag.



Farr's White Bush Scalloped Squash

SUMMER VARIETIES

One ounce will plant about 25 hills

Cocozele, or Italian Vegetable Marrow. The dwarf bushes of this fine variety produce large, very elongated, slightly curved, smooth dark green fruits, which when mature become marbled with yellow and lighter green stripes. Fruits are best when 6 to 8 inches long, when the flesh is very tender, marrowy, and delicious. They can also be used when much larger. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

FARR'S WHITE BUSH. An extremely early White Bush Scalloped or Patty Pan Squash, producing large, handsome, warted fruits, exceedingly well-molded. The shape is somewhat flattened, with rounded bottom and flatish warted top, the bottom surface continuing above and folding down into the top surface in a ring of exceedingly uniform scallops. The color is a beautiful greenish cream and is decidedly attractive. The fruits are not so thick from top to bottom as the Long Island White Bush variety. The extreme earliness, uniformity of size and shape, and the wonderful color of this Squash have made it extremely popular and much in demand wherever it is grown. We introduced this Squash in 1912 and since that time have, by careful selection, improved our stock until we now believe it to be unsurpassed in its class. Include this one in your early Squashes this next season and you will be well repaid. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Long Island White Bush. A very early summer Squash, with vigorous and productive vines. The fruits are rather small, thick, with only a slight indication of a scallop; the skin is white; flesh tender and of good quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30c., lb. \$1.

Mammoth Summer Crookneck. A fine early variety of the crookneck type with vines of bush habit, large and vigorous. The fruits, when mature, are often $1\frac{1}{2}$ to 2 feet long, with an exceedingly warted, golden yellow surface. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Vegetable Marrow. This is the favorite English variety, bearing dull yellow, oblong fruits, 10 to 15 inches in length. The flesh is tender, marrowy, and delicious. The fruits should be used before fully grown. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

White Bush Scalloped, or Patty Pan. This is the well-known early, somewhat flattened, scalloped bush Squash of medium size. The color is creamy white with slightly warted surface. Vines are vigorous and productive. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

SUMMER VARIETIES, continued

Yellow Bush Scalloped. A flattened, scalloped bush Squash of large size and deep orange color. Flesh pale yellow and of very good flavor. Our stock produces well-shaped uniform fruits of fine color. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

WINTER VARIETIES

One ounce will plant about 15 hills

Boston Marrow. A very prolific fall and winter Squash of medium to large size and oval shape. The thin skin is orange-yellow in color; flesh is rich salmon-yellow, fine-grained and of excellent flavor and quality. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Chicago, or Warted Hubbard. An improved strain of the original Hubbard Squash, round in shape with elongated ends, very large, and heavily warted, with a hard shell. The rough skin is uniformly dark olive-green in color; flesh is bright orange-yellow, fine-grained, thick, dry, and richly flavored. Our stock is very excellent. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Delicata. An excellent fall and early winter sort producing an enormous crop of oblong fruits, 10 inches long and about 4 inches in diameter, of an orange-yellow color striped with green. An excellent keeper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Golden Hubbard. Vines are vigorous and productive, producing fruits of medium size weighing from 6 to 8 pounds and of the Chicago Hubbard shape, but decidedly earlier than that variety. The shell is warted, hard, strong, and of a fine orange-red color, except for a bit of olive-green at the blossom end. Flesh deep orange, dry, fine-grained, and of fine flavor. An excellent keeper and can easily be held over for spring use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Improved or Smooth Hubbard. One of the best varieties to grow. Large and of Chicago Hubbard shape but very slightly warted. Hard tough shell of dark green color, and very rich fine-grained tender flesh. A fine keeper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Mammoth Chili. This is a very large-fruited variety with quite smooth orange-yellow skin but covered with a broad open netting. The flesh is very thick, of a rich yellow color, fine-grained and sweet. This variety will attain very great size under special cultivation. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Chicago, or Warted Hubbard Squash

TOMATO

One ounce will produce from
1,000 to 2,000 plants

Tomatoes do best on light, warm, not over-rich soil, and success depends largely upon securing a rapid, vigorous, and unchecked growth during the early part of the season. Sow in hotbed or window-box (where 60 degrees Fahrenheit is the minimum night temperature) in March in rows 5 inches apart and 1½ inches deep. Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant to 4 inches apart each way either in other hotbeds, in coldframes, or singly in 3-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, about May 15 in the latitude of New York City, set out plants 3 to 4 feet apart each way in hills into each of which a shovelful of fertilizer has been previously mixed. Water freely at time of transplanting and shelter from sun until plants are well established. Full cultural directions on every bag.

Beauty. Vines are large, vigorous, and productive.

Fruits are large, purplish pink, smooth, round, uniform, in size, very solid, and of excellent quality. One of the best medium-early purplish pink sorts, a fine keeper, and heavy cropper. Pkt. 5 cts., oz. 25 cts., ¼lb. 80 cts., lb. \$2.75.

Bonny Best. An excellent extra-early variety, maturing between Earliana and Chalk's Early Jewel. Medium-sized, bright scarlet, exceedingly smooth, round shape; ripens evenly. Pkt. 10 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$4.

CHALK'S EARLY JEWEL. Valuable for second-early. Vines are vigorous and very productive. The fruits are bright deep scarlet-red, nearly round or somewhat flattened, smooth, of large size and excellent quality. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

Duke of York, or Buckeye State. One of the best late purplish pink sorts. Vines are of a blight-resisting nature. The fruits are very large, round, smooth, and firm. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

Dwarf Champion. Sometimes known as the "Tree Tomato." The vines of this second-early purplish pink Tomato are upright, compact, and vigorous, about 2 feet in height and scarcely need any support. Fruits are medium-sized, smooth, round but slightly flattened at stem end. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

Dwarf Stone. Vines are dwarf, vigorous, and very productive. It is a late-maturing sort with large, smooth, bright red, very solid fruits with thick meaty walls and of fine flavor. Produced in clusters of three to five and vines are close jointed. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

EARLIANA. Fine for extreme earliness as well as size, shape, color, and quality. Fruits are smooth, nearly round, medium to large, bright deep scarlet, and are borne in clusters near the base of the plant. Vines are small but vigorous and productive. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

EARLY DETROIT. One of the largest and best of the early purplish pink varieties. It is not only the most productive, but in uniformity and size of fruit, freedom from cracking and freedom from tendency to blight, it has been found to meet the most exacting requirements. The vines are vigorous and very productive. Fruits are large, very smooth, uniform in size, nearly globe-shaped, firm, and of excellent quality. Pkt. 10 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$4.

JOHN BAER. A fine extra-early variety of a bright red color, of perfect round shape, free from core, with very few seeds and a mild sweet flavor, and ripening right up to the stem. Vines are vigorous and very productive, fifty to one hundred fruits to a plant. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.

June Pink. An extra-early, purplish pink variety similar to Earliana except the color. A valuable variety for those who want a very early purplish pink Tomato. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

King of the Earlys. This very fine early variety produces large red, smooth fruits borne in clusters on small but very productive vines. It is a little later than the Earliana but fruits are large and more attractive in appearance. The flesh is very firm and solid. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

Livingston's Globe. A large purplish pink variety of excellent quality. The shape is very nearly round or globe-shaped with a pronounced elongation at the flower end. The vines are vigorous and productive. The fruits are very smooth and mature a little earlier than most main-crop varieties. We highly recommend this sort, the fruits being very firm and solid. Pkt. 10 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$4.



Earliana Tomato

Matchless. One of the best and most popular for main planting. Large, very smooth, and symmetrical, ripening well to the stem, solid, and of a bright red color. Bears continuously throughout the season. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

NOLL'S NEW DISCOVERY. One of the earliest large, smooth, scarlet Tomatoes, symmetrical, of attractive appearance, and producing very large fruits. Vines medium-sized, vigorous, and productive. The fruits are borne in clusters and are firm, solid and thick-fleshed with small seed-cavity. Pkt. 10 cts., oz. 40 cts., ¼lb. \$1.10, lb. \$4.

Ponderosa. If you are anxious to obtain the largest Tomato in existence, we recommend this one. The vines are vigorous and tall growing, and extremely productive. The purplish pink fruits are very solid with few seeds, fairly smooth, and considered of very good quality by those who prefer a Tomato quite free from acid. Ripens about mid-season. Desirable for slicing. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.

Red Cherry. This pickling and preserving strain produces small fruits about ½ inch in diameter, perfectly round, and smooth. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

Red Rock. One of the best mid-season red Tomatoes. It is very prolifically produced on strong disease-resisting plants. The fruits are of medium size, smooth, very thick fleshed, and of excellent quality. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

Stone, Selected. One of the largest and most solid main-crop or late bright red Tomatoes. Vines are large, very productive, and strong-growing. One of the best canning varieties. Fruits are large, nearly round, somewhat flattened, smooth, uniform, and of good flavor. Pkt. 10c., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

Yellow Plum. Fruits small, plum-shaped; flesh finely flavored and yellow. A good preserving variety. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$3.

TURNIP

One ounce will sow
200 feet of row

Turnips do best in a highly enriched, freshly stirred, light or sandy soil. Sow the earliest varieties in April, in the latitude of New York, in rows from 1 to 1½ feet apart. Cover firmly with ½ inch of fine soil. For a succession sow at intervals of a fortnight until the last week in May for early crop; and from August to September for late crop. Thin plants early to 4 or 5 inches in the row. Turnip may also be sown broadcast. For winter keeping, store the Turnips in a cool cellar and cover with sand or turf to keep them fresh. We print full cultural directions on every bag.



Purple Top White Globe Turnip

WHITE-FLESHED VARIETIES

Cowhorn. This fine-grained, well-flavored, white-fleshed variety is a rapid grower, well adapted for fall and early winter use. A very productive variety and is desirable for stock-feeding. Roots are 12 to 16 inches long and 2 to 3 inches in diameter, cylindrical in shape but ending in a point, and slightly crooked. Color is white with greenish tinge at top. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

Early Purple Top Milan. The earliest Turnip in cultivation, with medium-sized, very much flattened round roots, smooth, and white with a purple-red top. Leaves short and scarce. This sort is well adapted to forcing. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.

Early White Milan. A remarkably early Turnip and one of the best for forcing. Root clear white, very smooth, flat, and symmetrical. Flesh white and tender. Leaves fine, very short, and entire. Roots best when about 2 inches in diameter. We highly recommend this Turnip. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

Purple Top, Strap-leaved. A very early strap-leaved variety having scant, erect, entire, stiff leaves. Roots are regular in shape, flat and medium-sized, purple-red above ground, white below. Flesh is white, fine grained, and tender. Best when 2½ inches in diameter. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 65 cts.

PURPLE TOP WHITE GLOBE. This excellent variety is of a perfect globe shape, of good size and fine appearance. The roots produced by our stock are extremely uniform and of attractive color, being white below the ground and purple on the upper half of the roots. The leaves are very broad, little divided, and dark green. Flesh is white, fine grained, and tender. Roots best when 3 inches in diameter. A very productive variety and an excellent keeper. We enthusiastically call your attention to our stock of this splendid Turnip. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

Snowball, Early. A quick-growing, ball-shaped, pure white, early Turnip with medium-sized, smooth, and sweetly flavored roots, and short, scant top. Flesh pure white, fine grained, and tender. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 85 cts.

White Egg. An oval- or egg-shaped variety with smooth, clear white, medium-sized roots which grow about half out of ground. Tops small with distinctly cut leaves. Flesh pure white, very sweet, firm, and mild. A quick-growing variety, best for use when about 2 inches in diameter and 3½ inches long. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

YELLOW-FLESHED VARIETIES

Golden Ball, or Orange Jelly. One of the most delicate and sweet yellow-fleshed Turnips to be had. Roots are medium-sized, round, smooth and very deep yellow. Flesh is golden yellow, sweet, firm, and of fine texture. Best for use when about 3 inches in diameter. Tops are small. An early variety of rapid growth adapted to both spring and fall planting. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.

Purple Top Yellow Aberdeen. This is a medium-sized, round, late-maturing, yellow-fleshed Turnip. The roots are yellow with a purple top and are excellent keepers. The flesh is pale yellow, of very firm texture, but tender and sweet. It is hardy and productive. As it requires longer to mature, we advise you to sow the seed two weeks earlier than most sorts. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

Yellow Globe Green Top. A yellow-fleshed globe-shaped variety of medium to large size, smooth and of light yellow color with small green crown. Flesh is light yellow, fine-grained, and sweet. A fine keeper and heavy cropper. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

Yellow Stone. Roots are of medium size, of a perfect globe shape, smooth, and of an attractive pale yellow color. Flesh is pale yellow, crisp, tender, and of good quality. Best for table use when 3 to 4 inches in diameter. Very largely used for stock-feeding. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

RUTABAGA, or SWEDE

One ounce will sow 200 feet of row

Rutabaga does best in a well-enriched soil. Sow the seed in July, in the latitude of New York City, thinly in rows 2 to 2½ feet apart. Cover firmly with ½ inch of fine soil. Thin plants when well started to stand 4 to 6 inches apart in the row. Give constant cultivation during growth. Rutabagas grow to a large size with more solid flesh than the early Turnips but they require a longer time to mature. When roots are full grown and before hard freezing weather, pull them and cut off tops. Store in cool cellar and cover with sand or turf to keep them fresh. We print full cultural directions on every bag.

LONG ISLAND IMPROVED. The very finest purple top Swede Turnip grown. Roots are elongated-globular in shape, of fine quality, pale yellow with a purple top, with a smaller top and much shorter neck than any other variety. We recommend it as the best sort. Fine for stock-feeding. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

White Rock. An excellent keeper and very desirable for table use or stock-feeding. Tops are small with leaves cut at the edges. Roots are very large, somewhat top-shaped with small neck; color white with a shade of green at the top; flesh white, firm, and sweet. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. 90 cts.

HERBS, SWEET, POT AND MEDICINAL

CULTURE.—Most Herbs thrive best on light, sandy soil. Sow early in the spring in carefully prepared and thoroughly cultivated ground. Plant shallow and press soil down firmly.

	Pkt.	Oz.	¼lb.
Anise. Seeds aromatic.....	\$0 05	\$0 10	\$0 30
Balm. For culinary purposes....	05	30	
Basil, Sweet. For flavoring.....	05	15	
Bene. Medicinal.....	05	25	
Borage. For flavoring.....	05	15	50
Caraway. For flavoring.....	05	10	25
Catnip. Medicinal.....	10	40	90
Coriander. Aromatic.....	05	10	25
Dill. For flavoring. Lb. \$1.25....	05	15	50
Fennel, Sweet.....	05	10	30
Fennel, Florence.....	05	15	40
Lavender.....	05	20	60

	Pkt.	Oz.	¼lb.
Marjoram, Pot. For seasoning	\$0 10	\$0 40	\$1 25
Marjoram, Sweet. For seasoning.....	Lb. \$3..	10	30 1 00
Rosemary. Aromatic.....	05	40	1 10
Rue. Medicinal.....	05	30	90
Saffron.....	05	15	40
Sage. For seasoning.....	Lb. \$2..	05	20 65
Savory, Summer.....	Lb. \$1.25..	05	15 40
Savory, Winter.....	Lb. \$3..	05	30 1 00
Tansy. For bitters.....	10	50	
Thyme. For seasoning.....	10	50	1 25

VEGETABLE AND FLOWER PLANTS

For the convenience of those who prefer to use plants, and those who have been too late to start their gardens from seed, we offer the following list of strong, sturdy greenhouse-grown plants, ready for use at about the date indicated after each kind. The prices do not include postage. When ordering, please allow 10 cents per dozen to cover the postage, on all varieties excepting chives, and tarragon, for which allow 10 cents each. Orders for 100 will be sent by express at purchaser's expense.

VEGETABLES

	Doz.	100
Cabbage. Ready April 1.....	\$0 15	\$1 00
Cauliflower. Ready April 1.....	20	1 50
Celery. Ready July.....	15	75
Chives.....	Clumps, each 20 cts..	2 00
Eggplant. Ready May 15.....	50	3 50
Horse-Radish. Ready March 15.....	15	75
Kohlrabi. Ready May 15.....	15	1 00
Lettuce. Ready April 1.....	15	1 00
Pepper. Ready May 15.....	25	1 75

	Doz.	100
Sweet Potato. Ready June 1.....	\$0 15	\$0 75
Tarragon. March 15.....	Each 35 cts..	3 50
Tomato. Ready May 1.....	25	1 75

FLOWERS

	Doz.	100
Aster. Ready May 1.....	25	1 75
Cosmos. Ready May 1.....	25	1 75
Marigold. Ready May 1.....	25	1 75
Salvia. Ready May 1.....	50	3 50

FIELD CORN

DENT VARIETIES

DROUGHTPROOF. This is an early Yellow Dent of great merit, which originated in Ohio. The introducer claims: "It is the largest grained and has the smallest cob of any Yellow Dent Corn. Brightest colored grain. Fully as early as Leaming. Yield not excelled by any other sort. Strong growth of stalk and handsome ear. An unusual yield of shelled Corn insured by depth of grain." It withstands drought better than other varieties. All points considered, it is the best 90- to 100-day Corn on the market. We have stock direct from Ohio. Pk. 80 cts., bus. \$2.75

Eureka. An early, large-eared Yellow Dent Corn; grains are very deep, good orange color; cob small; matures early, a week or 10 days later than the Leaming. Productive; good large fodder. Pk. 85c., bus. \$3.00.

Leaming. Very early and prolific; ears of good size; grain of good color, very heavy; popular for ensilage purposes. We know of no better sort for this use, especially in the North. Pk. 80 cts., bus. \$2.75.

IMPROVED MASTODON. Considered the earliest and best of all the large-eared sorts. It matures very early, grows a very large ear, deep grain, and of good color. It will grow a crop farther north than any other large Dent variety, and will produce more bushels per acre than any Corn we know of. It matures in from 96 to 110 days, far ahead of Golden Beauty. We offer headquarters stock direct from Ohio. Pk. 80 cts., bus. \$2.75.

Golden Beauty. A broad-grained, large-eared variety, maturing in about 120 days. Cob is small; grain very heavy and beautiful golden yellow. Very popular in New Jersey. Pk. 80 cts., bus. \$2.75.

SWEET FODDER CORN

For feeding and cutting in summer, this provides a most satisfactory fodder. Every part of the plant above ground is digestible; so for an economical fodder and increaser of milk-flow there is none better. Sow broadcast, 2 bushels per acre. Bus. \$4, 10-bus. lots at \$3.90 per bus.

FLINT VARIETIES

Canada Yellow. Old but still popular. Matures in 90 days, and is always reliable. Ears are of good length, containing eight rows of large, yellow grains. Also grows a good fodder. Will mature where other varieties fail. Grows on poor land and gives large crops. A popular New England Corn. Pk. 80 cts., bus. \$2.75.

Large White. Large, handsome, well-filled ears; grain white. Will mature early and give good satisfaction. Pk. 75 cts., bus. \$2.50.

Longfellow. The longest ear of all the Yellow Flint Corn; will ripen as far north as Massachusetts. A good yielder. Pk. 80 cts., bus. \$2.75.



Eureka Field Corn



The "Forbes" Lawn Grass

LAWN GRASS SEED

OUR MIXTURES ARE UNSURPASSED

FREE DELIVERY OF LAWN GRASS MIXTURES. While we cannot deliver free of transportation all the goods we offer, we do so in the case of Lawn Grass Mixtures.

We will deliver our Lawn Grass Mixtures free of transportation in the United States, by mail, express, or freight, at our option, at the prices mentioned in this catalogue.

We shall be pleased to correspond with anyone wishing advice in the formation of lawns and golf-courses.

THE "FORBES" LAWN GRASS SEED

See illustration, back cover

We claim and know that the "Forbes" Lawn Grass is the cleanest, thriftiest, and most verdant on sale today. Letters from our customers in many parts of America corroborate our statement, and the increased sales of last year prove the superiority of our seed over all others, for quickest and most permanent results. The cost of seed to the purchaser should be of the least consideration to thinking customers. The "Forbes" Lawn Grass is composed only of dwarf, evergreen, perennial, thick-swarding sorts of the choicest quality and perfectly hardy—blended in such proportions as to secure an even turf and an everlasting verdure.

Nothing is more pleasing to the eye than a good lawn, be it large or small, on the millionaire's property or in the yard of the cottager, and this can best be had by sowing the "Forbes" at a trifling cost. In preparing this mixture, the expense to ourselves has been slightly considered in our endeavor to offer for sale the best procurable, and we are satisfied we have succeeded in listing the purest Lawn Grass Seed ever catalogued. Qt. 30 cts., 2 qts. 55 cts., 4 qts. \$1, pk. \$1.75, b.s. of 20 lbs. \$6. Delivered free of transportation in the United States by mail, express, or freight, at our option.

BRANCH BROOK PARK LAWN GRASS SEED

Named after one of our large city parks, where it has been used for a number of years. To customers who do not wish our highest priced mixture, we can recommend this brand, as it is deservedly popular. Will produce a fine lawn in 6 to 8 weeks. Qt. 25 cts., 2 qts. 45 cts., 4 qts. 85 cts., pk. \$1.50, bus. of 20 lbs. \$5. Delivered free of transportation in the United States by mail, express, or freight at our option.

HOW AND WHEN TO SOW. The soil should be rich and carefully prepared by being well pulverized. Sow the seed when the ground is fairly moist, but not too moist, and roll after seeding, if possible. If any re-seeding is done, do it before rolling. All lawns are much benefited by frequent mowing, but do not cut too close in hot, dry weather or about the time the ground freezes. One quart will seed 300 square feet. Five bushels will seed an acre of new ground; about half these quantities for re-seeding or renovating after the ground has been scratched with a rake or otherwise prepared. The time to sow Lawn Grass Seed is in the spring or fall.

NOLL'S SHADY PLACE LAWN GRASS SEED

This contains a majority of the Grasses which in their natural state are found growing in shady places and in the woods. Shaded locations caused by overhanging large trees, buildings, etc., are not easily treated, and it is difficult to secure a successful result, but we have combined a mixture of Grasses producing an evergreen sward which does well in shaded places. The varieties used are all dwarf-growing, hardy perennial sorts and seed should be sown liberally, say 5 bushels per acre. An application of air-slaked lime at the rate of 40 bushels per acre is good on such shady places as are to be sown with this mixture, especially if the land is wet or moss-grown, indicating "sourness." Qt. 30 cts., 2 qts. 55 cts., 4 qts. \$1, pk. \$1.75, bus. of 20 lbs. \$6. Delivered at our expense.

NOLL'S TERRACE LAWN GRASS SEED

Prepared from quick-growing, drought-resisting Grasses which produce a network of long roots and grow to a good depth, preventing washing out, etc. This mixture comprises many fine-leaved Grasses which are to be found growing naturally on light soils, and is admirably adapted for growing on hillsides and embankments. Qt. 30 cts., 2 qts. 55 cts., 4 qts. \$1, pk. \$1.75, bus. of 20 lbs. \$6. Delivered at our expense.

NOLL'S GRASS MIXTURE FOR GOLF-COURSES

We shall be pleased to hear from greens committees and advise them as to the best methods to attain satisfactory results. We have made a close study of Grasses and shall be willing to give our clients the benefit of our knowledge and experience. We claim to be specialists in this line and invite correspondence. See illustration, back cover.

"PUTTING-GREEN" GRASS SEED. For sowing new and renovating old greens. Lb. 28 cts., 100 lbs. \$26.

"FAIR GREEN" GRASS SEED. Equally valuable for sowing new greens and renovating old ones. Lb. 26 cts., 100 lbs. (enough for an acre) \$24.

NOLL'S PERMANENT PASTURE AND HAY MIXTURE

A mixture of varieties which will form a permanent pasture that lasts for years. Composed chiefly of native grasses and grasses which have been acclimated, and which, after trial, have been found to be best adapted for the purpose. These grasses are blended in their proper proportions to give the desired results. Sow on new land which has been plowed and harrowed, at the rate of 50 pounds per acre; on ground partly covered with grass, 30 pounds per acre. Bus. of 14 lbs. \$2.70, 50 bus. \$2.60 per bus., 100 bus. \$2.50 per bus. See illustration, back cover.



Noll's Shady Place Lawn Grass

Humus. Many a lawn that has been well-nigh perfect in its day may, from neglect, be allowed to "run down" and be sadly in need of renovation. To get fresh and clean Lawn Grass Seed is comparatively easy, but when you need fresh, clean soil wherewith to top-dress the lawn, it is almost impossible to get it without getting at the same time a crop of weeds, many of which—plantain, dock, and dandelion—are hard and expensive to eradicate. Even stable manure has the same objection unless it has been well decomposed. This is where "Humus" will be found to supply a long-felt want. It is positively free from weeds and all vegetable life, is black and rich and fine, easily applied, and not costly. It is high in available nitrogen and other plant foods, retains moisture remarkably well, and is perfectly odorless. It is the very best material for top-dressing lawns and for indoor use in conservatories, boxes, and pots, or for beds and borders out-of-doors.

Natural Humus. 5-lb. bag 15 cts., 10-lb. bag 25 cts., 50-lb. bag 60 cts., 100-lb. bag \$1.10, ton \$16.

Prepared Alphano Humus. 5-lb. bag 25 cts., 10-lb. bag 40 cts., 50-lb. bag 90 cts., 100-lb. bag \$1.35, ton \$20.

AGRICULTURAL SEEDS

Prices subject to change without notice

CLOVERS.

Alfalfa. Can ultimately be cut three or four times a year, yielding heavily each cutting. Do not plant on heavy soil. Soil must be thoroughly prepared by deep plowing and harrowing until it is in fine condition. It roots deeply and is a great nitrogen gatherer. Sow 20 to 30 pounds per acre. Lb. 28 cts., 100 lbs. \$26.

Alsike, or Swedish. A cross between Red and White, and the hardiest sort; valuable for lasting pasture. It is very sweet and fragrant. Bees obtain much honey from this Clover. Sow 6 pounds per acre. Lb. 30 cts., 100 lbs. \$28.

White. Valuable for lawns, pastures; also for bees. Sow 4 pounds per acre with grasses, or 6 pounds if alone. Lb. 70 cts., 100 lbs. \$65.

Mammoth Red, or Pea Vine. Very robust, red sort, good for plowing under. Sow in spring, 12 to 14 pounds per acre. Lb. 36 cts., 100 lbs. \$34.

Red. Planted wherever grass is grown. Sow in spring, 12 to 14 pounds per acre. Lb. 32 cts., 100 lbs. \$30.

Scarlet, or Crimson. Sown in the fall and plowed under in spring it is a very valuable green manure. It roots deeply and places in the soil an abundance of nitrogen. Sow 15 to 20 pounds per acre. Lb. 24 cts., 100 lbs. \$22.

Mixed Permanent Clovers. These, on account of their greater weight, should be sown separately immediately after the grass seed in the spring. Clovers should never be sown in the fall. This Clover mixture contains the above varieties. Sow 10 pounds per acre. Lb. 38 cts., 100 lbs. \$35.

JAPANESE BUCKWHEAT. Enormous yield; early, large grain; acclimatized seed, grown from genuine imported stock. Sow 1 bushel per acre. Bus. (48 lbs.) \$2, 10 bus. \$19.

MILLET.

German, or Golden. Medium early; 3 to 5 feet high; heads compact and well filled; large spikes. Seed round and bright golden color. For hay, sow broadcast, $\frac{3}{4}$ to 1 bushel per acre; for seed, plant in drills, $\frac{1}{2}$ to $\frac{3}{4}$ bushel per acre. Plant from May to August, according to location. Bus. (50 lbs.) \$2.75, 10 bus. \$26.

Hungarian. Sow in June; cut in about 60 days. Will yield 2 to 3 tons of hay per acre. Withstands heat and drought well. Plant about $\frac{3}{4}$ to 1 bushel per acre. Bus. (48 lbs.) \$3.75, 10 bus. \$36.

Millet, Japanese. Grows 6 to 7 feet high; makes valuable forage, and is the greatest yielder of all the Millets. Sow about 15 pounds per acre. Lb. 12 cts., 100 lbs. \$10.

OATS.

White Tartar. Heads are very large, well filled with large kernels; straw very stiff and strong, standing up well in bad weather. This side-oat variety has outyielded any other in field crops. We have the pure selected stock. Bus. (32 lbs.) \$1.90, 10 bus. \$18.

White Swedish. Large, heavy, and plump; stools freely; stout straw. Bus. (32 lbs.) \$1.80, 10 bus. \$17.

PEAS.

Canada White Field Peas. Exceptionally hardy and valuable for early spring sowing; very prolific. Pk. \$1.25, bus. (60 lbs.) \$4.50, 10 bus. \$43.50.

Cowpeas. A first-class green fertilizer; does well on all soils and under adverse conditions. Sow 2 bushels (120 lbs.) per acre.

Black-Eyed. Bus. \$4.40, 10 bus. \$42.50.

New Era. Bus. \$4.25, 10 bus. \$41.50.

RAPE, Dwarf Essex. Valuable as a soil enricher. Plant in June or July in drills at the rate of 3 pounds per acre, broadcast 5 pounds per acre. Lb. 14 cts., 100 lbs. \$12.

RYE.

Spring. A fine catch crop to plant where fall-sown grain has failed. $1\frac{1}{2}$ bushels per acre. Bus. (56 lbs.) \$2.85, 10 bus. \$27.

Winter. The Rye largely planted in the fall. Bus. (56 lbs.) \$2.50, 10 bus. \$24.

SOJA BEANS, Medium-Early Green. Invaluable for plowing under for green manure or can be cut green for feeding. The grain is a rich milk producer. Sow 1 bushel per acre. Bus. (60 lbs.) \$5, 10 bus. \$48.

VETCHES, or TARES, Winter, Hairy, or Sand. Plant in fall; hardy and productive; a fine cover crop. Plant alone, 1 bushel per acre; or with rye, $\frac{3}{4}$ bushel of Vetch and $\frac{1}{2}$ bushel of rye per acre. Cut for forage before seed sets, it will produce a second crop. Lb. 28 cts., 100 lbs. \$25.

WHEAT.

Spring. An excellent catch crop where fall-sown seeds have failed; useful for sowing with grasses. Sow $1\frac{1}{2}$ bushels per acre. Bus. (60 lbs.) \$3.50, 10 bus. \$34.

Winter. All standard sorts. Prices on application.

GRASSES

We endeavor to supply only the best grades of all Grasses and clovers. Please bear this in mind when comparing our prices with those of others. There are many grades, and prices are often far apart. We have only one grade—"the best." Prices below are net figures January, 1917, and are subject to market changes.

Awnless Brome Grass (*Bromus inermis*). Does well on dry poor soils. Lb. 25 cts., 100 lbs. \$22.

Bermuda Grass (*Cynodon dactylon*). Valuable for southern states. Lb. 70 cts., 100 lbs. \$65.

Canada Blue Grass (*Poa compressa*). Good for steep places. Lb. 20 cts., 100 lbs. \$18.

Creeping Bent (*Agrostis stolonifera*). Fine for lawns or moist places. Lb. 70 cts., 100 lbs. \$65.

Crested Dog's-tail (*Cynosurus cristatus*). Good for lawns. 30 pounds per acre. Lb. 40 cts., 100 lbs. \$35.

English Rye Grass (*Lolium perenne*). Perennial. Sow 30 to 40 pounds per acre. Lb. 14 cts., 100 lbs. \$12.

Fine-leaved Sheep's Fescue (*Festuca ovina tenuifolia*). Dwarf. Lb. 70 cts., 100 lbs. \$65.

Hard Fescue (*Festuca duriuscula*). For sandy soil and under trees. 30 pounds per acre. Lb. 45 cts., 100 lbs. \$42.

Italian Rye Grass (*Lolium Italicum*). Rapid grower. 36 pounds per acre. Lb. 16 cts., 100 lbs. \$14.

Kentucky Blue Grass (*Poa pratensis*). Desirable for lawns. 60 pounds per acre. Lb. 25 cts., 100 lbs. \$22.

Meadow Foxtail (*Alopecurus pratensis*). Is highly relished by stock. Lb. 75 cts., 100 lbs. \$70.

Meadow Fescue (*Festuca pratensis*). Permanent pastures. Sow 50 pounds per acre. Lb. 22 cts., 100 lbs. \$20.

Orchard Grass (*Dactylis glomerata*). Fine for pastures. 45 pounds per acre. Lb. 40 cts., 100 lbs. \$35.

Red Fescue (*Festuca rubra*). Very fibrous rooted; forms a thick, close sod. Lb. 45 cts., 100 lbs. \$42.

Red Top, Fancy (*Agrostis vulgaris*). 32 pounds per acre. Free from chaff. Lb. 28 cts., 100 lbs. \$25.

Red Top, Ordinary. Weighs only 14 pounds per bushel. 50 pounds per acre. Lb. 20 cts., 100 lbs. \$18.

Rhode Island Bent (*Agrostis canina*). 40 pounds per acre. Lb. 65 cts., 100 lbs. \$60.

Sheep's Fescue (*Festuca ovina*). Does well in dry soils. 30 pounds per acre. Lb. 45 cts., 100 lbs. \$42.

Tall Fescue (*Festuca elatior*). Good for wet or clay soils. Lb. 65 cts., 100 lbs. \$60.

Tall Meadow Oat Grass (*Avena elatior*). Valuable for hay. Lb. 35 cts., 100 lbs. \$32.

Timothy (*Phleum pratense*). 35 to 40 pounds per acre. Lb. 14 cts., 100 lbs. \$12, bus. (45 lbs.) \$5.

Wood Meadow Grass (*Poa nemoralis*). Sow 28 pounds per acre. Lb. 55 cts., 100 lbs. \$50.

Choice Flower Seeds

We make a specialty of sending out only choice varieties of flower seeds, which are grown for us by experts in this line. We do not send out seeds carried over from previous seasons, but seeds we get fresh every year. We have thousands of satisfied customers who purchase their flower seeds from us, as well as other seeds. Send us an order and be one of our satisfied customers.

DIRECTIONS FOR CULTURE AND TREATMENT

Hardy Annuals (H.A.). Sow in April or May, according to the latitude, in shallow boxes or pots placed in a warm window, a hotbed, or if possible, in a greenhouse. A second sowing ought to be made from two to four weeks after for a succession, as well as to provide against failure the first time. There is nothing better in which to sow the seeds than shallow boxes from 2 to 3 inches deep, and of any convenient size. After the seeds are up, care must be taken to give them plenty of air and moisture, yet not too much water, or they will "damp off." When the young plants are well out of the seed-leaf, they must be transplanted to new boxes. As soon as the ground is warm enough they may be easily turned out and planted singly.

Hardy Biennials (H.B.) and Hardy Perennials (H.P.). These require the same treatment as the Hardy Annuals. In addition to the above, both Hardy Biennials and Perennials may be sown in the open border from July to September. It is a good plan, at the commencement of frost, to cover the plants lightly with straw, leaves, or any dry litter, in order to afford some protection from the extreme severity of the winter. As soon as the frost is out in the spring, remove the covering and loosen the surface around the plants, which, when large enough, may be transplanted to the bed in the flower-garden where they are to permanently remain.

Annuals attain full growth, flower and die in one year.

Biennials grow from seed one year, bloom and die the next; though some varieties bloom the first season when sown early.

Perennials last for several years, blooming annually after the first season; though some varieties will bloom the first season if sown early.

Half-Hardy Annuals (H.H.A.). May be sown in shallow boxes, pots, or a hotbed, as directed for Hardy Annuals. It is best to cover the glass with a mat or straw at night until danger of frost is past. In the day give all the air possible. After the end of May, sow in the border, like Hardy Annuals.

Half-Hardy Biennials (H.H.B.) and Half-Hardy Perennials (H.H.P.) require the same treatment. May be sown in the open border in a warm and sunny spot as soon as the soil has become dry and warm. Those who have no glass frames or greenhouses, therefore, need not be without flowers.

Tender Annuals (T.A.), Tender Biennials (T.B.), and Tender Perennials (T.P.). To obtain an early bloom of the Tender Annuals, sow the seeds in boxes or pots in March, placing them in a warm greenhouse or plunging in a moderate hotbed, carefully protecting them from the cold, shading from the midday sun, and watering with a fine rose. The finer seeds must not be covered more than *an eighth of an inch deep* and the soil should be pressed down closely over them.

Greenhouse Plants (G.P.). Seeds should be sown as directed for Tender Annuals, in pans, pots, or shallow boxes, and be kept in the house, carefully watched, slightly watered occasionally, and sheltered from the hot sun. May be sown at any season of the year.

NOVELTIES AND SPECIALTIES OF MERIT

ALYSSUM BENTHAMII (*A. compactum lilacinum*). Very distinct sort, with upright spikes of pure lilac flowers. H.A. 6 in. Pkt. 10 cts.

ANTIRRHINUM (Snapdragon).

Double White. A new double variety of the tall-flowering Snapdragon. The flowers are white and are borne on long spikes. An excellent cut-flower for vases. H.B. 1 to 2 ft. Pkt. 10 cts.

Double Yellow. This is a new variety producing double flowers of a brilliant canary-yellow, and possesses in other respects the same remarkable attributes as the above. H.B. 1 to 2 ft. Pkt. 10c.

AQUILEGIA CHRYSANTHA, Double Yellow. A new variety of Aquilegia, having exquisite flowers of deep, golden yellow. Seventy per cent come double. H.P. 2 to 3 ft. Pkt. 10 cts.

CAMPANULA PRAECOX, Mixed. A new and excellent variety of Canterbury Bell, blooming from two to three weeks earlier than the older sorts. H.P. 1 to 2 ft. Pkt. 15 cts.

COSMOS, DOUBLE CRESTED. This beautiful new strain of Cosmos is most striking in color. A large percentage comes true from seed both as to color and doubleness. We offer this in two colors, **White Queen** and **Pink Beauty**. Each, pkt. 15c.

GERBERA JAMESONII (Scarlet Transvaal Daisy). An excellent flower, growing to the height of 2 to 3 feet; of a deep scarlet shade. Fine for cutting. H.H.P. Pkt. 15 cts.

Jamesonii hybrida. Fine new hybrids, varying from pure white through shades of yellow, pale

Gerbera Jamesonii hybrida, continued red, and salmon-rose, cherry-red, etc. H.H.P. 2 to 3 ft. Pkt. 15 cts.

GYPSOPHILA MURALIS ALBA. A distinct variety of *G. muralis*, possessing all the good qualities of the rose-blooming type, but with snow-white flowers. H.A. 2 to 3 ft. Pkt. 15 cts.

PENTSTEMON HARTWEGII (*P. gentianoides albus*). The plants of this fine new variety attain a height of about 2½ feet, producing pure white flowers borne on long spikes. H.P. Pkt. 15 cts.

PETUNIA, BALCONY. In Europe, few plants have grown in favor so rapidly as the Petunia, Balcony, which, by its great profusion and persistence of bloom, its luxuriant growth and freely branching habit, is remarkably suited for windows, pergolas, and balconies. We offer it in three colors. H.A. 1 ft. **White, Rose, Dark Red.** Each, pkt. 20 cts.

POPPY, TULIP. (*Papaver glaucum*). Although this is not a new variety of Poppy, ours is an improved strain and should have a place in every garden. In habit it resembles a large tulip. It is a shade of bright scarlet, a black spot appearing at the bottom of each petal. H.A. 1 to 1½ ft. Pkt. 10 cts. (See front cover.)

SALVIA SPLENDENS COMPACTA ALBA. A new variety of a whitish color. H.A. 1½ ft. Pkt. 10 cts.

SUNFLOWER, NEW RED. The plant is of freely branching habit, producing numerous well-shaped, dark-centered, brilliant flowers, banded with bright chestnut-red, mostly merging to yellow at the tips of the petals. H.A. 3 to 4 ft. Pkt. 10 cts.



Simple's Branching Asters



Giant Comet Asters

NOLL'S ASTERS

Asters are of very easy culture. Seed can be sown in the open ground in May, for blooming during September and October. For earlier blooms sow in March or April in hotbed, coldframe, or boxes in the house. Do not cover seed more than one-quarter of an inch. H.A.

GIANT COMET, or POODLE. Flowers of immense size, often 6 inches across. Long, wavy, twisted petals, gracefully formed into loose yet dense half-globes resembling Japanese chrysanthemums. 12 to 16 in.

White, Bright Rose, Dark Violet, Azure- Pkt.
Blue, Crimson-Yellow..... Each, \$0 10

Mixed..... $\frac{1}{4}$ oz. 35 cts., oz. \$1.25... 10

HOHENZOLLERN. A very splendid sort for cutting; about 18 inches tall.

White, Rose, Dark Blue, White passing to Pkt.
Rose..... Each, \$0 10

Mixed..... $\frac{1}{4}$ oz. 85 cts.... 10

NOLL'S IMPROVED VICTORIA. Our strain of this type is undoubtedly the finest in existence. Flowers large, perfectly double; each petal elegantly overlapping and beautifully imbricated; plants of pyramidal form. 18 in.

Pure White, Crimson, Light Blue, Violet, Pkt.
Peach Blossom..... Each, \$0 10

Mixed..... $\frac{1}{4}$ oz. 75 cts.... 10

QUEEN OF THE MARKET. Best early Aster in cultivation. Usually in bloom two weeks before most other sorts. 1 ft. Pkt.

White, Crimson, Pink, Blue..... Each, \$0 10

Mixed. All colors..... $\frac{1}{4}$ oz. 35 cts., oz. \$1... 10

SEMPLE'S LATE BRANCHING. Superior to any other class of late-flowering, branching Asters. Flowers large, 4 inches across, very double, and are borne on long stems. 18 to 24 in.

White, Lavender, Shell-Pink, Crimson, Pkt.
Purple, Yellow..... Each, \$0 10

Mixed..... $\frac{1}{4}$ oz. 30 cts., oz. \$1... 10

THE VICK ASTERS. Unsurpassed for cutting.

Purity. White..... 10

Daybreak. Pink..... 10

Sunset. Light Pink..... 10

NOLL'S MAMMOTH CHRYSANTHEMUM-FLOWERED. They combine more points of merit than any other one class of Asters, bearing extraordinarily large hemispherical double flowers, averaging 5 inches in diameter, of the most symmetrical form. They are of great durability, the petals being of splendid substance, withstanding storms, rains, and hot suns better than any other Aster. 20 in. Pkt.

White. Pure satiny white; fine form..... \$0 10

Scarlet. Magnificent, glowing crimson-scarlet. 10

Peach Blossom. Extra fine, lovely, bright rose. 10

Light Blue. Beautiful, light azure-blue..... 10

Mixed. All colors..... $\frac{1}{4}$ oz. 75 cts., oz. \$2.50... 10

TRUFFAUT'S PEONY-FLOWERED. Flowers very large, from 3 to 4 inches in diameter; stems long and wiry. 18 to 24 in. Pkt.

Light Blue, Pink, Snow-White, Scarlet, Pkt.
Each, \$0 10

Mixed..... $\frac{1}{4}$ oz. 40 cts.... 10

CREGO ASTER. The plants are of a branching growth, attaining a height of from 2 to 2½ feet. The flowers measure 4 inches in diameter, and have a curling of reflexed petals in the center; blooming in August and September. Pkt.

White, Pink, Crimson..... Each, \$0 10

Mixed..... 10

OSTRICH FEATHER. Flowers have loosely arranged petals and are from 5 to 7 inches in diameter. 12 to 16 in. Pkt.

Dark Maroon, White, Blue, Rose... Each, \$0 10

Finest Mixed..... $\frac{1}{4}$ oz. 50 cts.... 10

NOLL'S CHOICEST MIXTURE. A selection of the leading sorts. Pkt.

Mixed... $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.. \$0 05

ASTER, PERENNIAL VARIETIES, Large-flowered. Mixed..... 05

ABRONIA umbellata. Sand Verbena. Very pretty, trailing plants; numerous clusters of sweet-scented flowers. Rosy lilac, with white eye. H.H.A. 6 in.....	Pkt. \$0 05
ABUTILON. Flowering Maple. Handsome little bushes; bear pretty, drooping, bell-shaped flowers on slender stems. Flower profusely and almost constantly. Bloom readily from seed the first summer. G.P. 2 to 3 ft. New French Hybrids. Magnificent mixed...	10
ACHILLEA, The Pearl. Yarrow. An abundance of charming, large, double, pure white flowers throughout the summer; splendid for cutting; excellent florist's flower; of easy culture. H.P. 2 ft.....	10
ACONITUM Napellus. Monkshood. Long spikes, curiously shaped blue-and-white flowers. Plant in a shady position. Seed germinates slowly. H.P. 3 ft.....	05
ADLUMIA. Allegheny Vine. Feathery foliage like the Maidenhair Fern. Flowers tube-shaped, delicate rose, pink, and white completely cover the plant. Desirable for covering trellises, stumps of trees, etc. H.P./Cl. 15 ft.	10
AGAPANTHUS umbellatus. Showy plants producing large clusters of bright blue flowers. Almost hardy. Perennial.....	10
AGERATUM. Floss Flower. One of the leading plants for beds or borders. Rapid growers, early and constant bloomers, and their bright flowers are produced in the greatest profusion. H.A. Lasseauxii. Rose-colored flowers, growing to the height of 1 ft.....	05
Little Blue Star. The small plants are almost completely covered with clusters of light blue flowers, with dark red centers. 4 to 5 in.....	10
Blue Gem. Large, dark blue flowers. 6 in....	05
Purity. White flowers of finest form. 9 in....	10
Mixed. All sorts.....	05
AGROSTEMMA. Rose Champion. Mixed. Bright-colored flowers on long, slender stems; blooms the first season. H.P. 1 to 2 ft.....	05
ALYSSUM. A free-flowering annual of great beauty and utility. Easy to grow and everywhere popular. Useful for beds, vases, edgings, or rockeries. The flowers may be cut all summer, others forming at once. H.A. Carpet of Snow. The best variety for beds or borders. 3 to 4 in. 1/2 oz. 30 cts., oz. 50 cts....	10
Sweet. Excellent for cutting.....	05
Saxatile compactum. Beautiful golden yellow flowers. H.P. 12 in.....	05
AMARANTUS. Ornamental foliage plants of striking effect. Caudatus. Love-Lies-Bleeding. Blood-red; drooping. T.A. 3 ft.....	05
Tricolor splendens. Joseph's Coat. Scarlet, green and yellow; fine. T.A. 3 ft.....	05
Mixed. Many beautiful sorts. T.A.....	05
AMPELOPSIS Veitchii. Boston Ivy. In autumn the glossy leaves assume scarlet and crimson tints. H.P. Climber. 30 to 60 ft....	10
ANAGALLIS grandiflora. Mixed. Half-hardy annual of easy culture. 6 in.....	05
ANCHUSA capensis. Azure-blue. A very fine half-hardy annual. 1 1/2 ft.....	05
ANTIRRHINUM. Snapdragon. A showy and useful plant, and one of the most popular flowers; useful for beds or borders. The Snapdragon is one of our finest biennials, flowering the first year from seed. H.B. 1 1/2 ft.	05
Luteum. Bright yellow.....	05
Atrococcineum. Dark scarlet.....	05
Romeo. Violet-rose, with pale lip.....	05
Firefly. Scarlet and white.....	05
Album. Pure white.....	05
Rose. A delicate shade.....	05
Tall Mixed. All sorts.....	05
New Giant-flowered. Mixed.....	10
Tom Thumb. Mixed. 10 in.....	10
AQUILEGIA. Columbine. Bears countless numbers of exquisite blossoms. Few hardy perennials are so easily raised from seed. H.P. Cærulea, Sepal. White, with lilac on tip of petals. 3 ft.....	\$0 10
Cærulea hybrida. Long-spurred varieties....	10
Glandulosa vera. Deep blue, white corolla..	25
Chrysantha. Golden yellow. 3 ft.....	10
Skinneri. Crimson and light green. 3 ft.....	10
Jæschkanii. Yellow, long red spurs. 3 ft....	10
Flabellata nana-alba. White. 1 ft.....	10
Rose Queen. Rose shaded with white.....	10
Single Mixed. All colors. 2 ft.....	05
Double Mixed. All colors. 2 ft.....	05
ARABIS alpina. A fine border plant, covered with white flowers. H.P. 8 in.....	10
Rosea. A very rare species. 6 in.....	25
ARCTOTIS grandis. Daisy-like blooms colored white and lilac. H.A.....	10
ARISTOLOCHIA Siphoc. Dutchman's Pipe. Rapid, luxuriant growth; large, heart-shaped leaves; curious brown-purple flowers, thought to resemble pipes. H.P. Climber. 30 ft....	10
ASPARAGUS Sprengeri. Emerald Feather. One of the best plants to grow in suspended baskets. G.P. 4 to 6 ft.....	10
Plumosus nanus. Climbing Lace Fern. Of wonderful beauty; the leaves are bright green, gracefully arched. G.P. 3 to 4 ft.....	20
ASPERULA odorata. Sweet Woodruff. Grown for the fragrant leaves and stems. H.P.....	05
BALLOON VINE. Love-in-a-Puff. A rapid grower; bears small, white flowers, followed by inflated seed-pods. T.A. Climber. 10 ft....	10
BALSAM. Noll's Superb Large-flowered Double. This is the finest strain yet attained, the magnificent flowers being of immense size and faultless form. More uniformly double than any other strain. H.A. 18 to 24 in. Double White, Rose, Yellow, Scarlet and Lavender.	10
Double Mixed.	05



Aquilegia cærulea

- BARTONIA aurea.** Golden yellow. A beautiful, hardy annual that blooms all through the season. 3 ft. \$0 05
- BEGONIA.** These take rank with geraniums and coleus as bedding plants. Easily raised from seed. T.P. 8 to 12 in.
- Vernon.** Fibrous-rooted. Bright orange-carmine flowers. 10
- Tuberous-rooted.** Double and single, mixed, all colors 20
- BIRD OF PARADISE FLOWER.** Flowers rich, golden yellow, 2½ inches in diameter, produced in large trusses; the incurved stamens and pistils are of a beautiful, bright scarlet. Start indoors or under glass in light soil. G.P. 24 to 36 in. 10
- BITTER-SWEET.** Wax-Work. Handsome, large leaves; produces yellow flowers in May and June; clusters of ornamental orange-capsuled fruit in autumn. H.P. Climber. 15 to 25 ft. 05
- BOLTONIA asteroides.** 1000-to-1 Aster. Innumerable white flowers nearly an inch across. H.P. 3 to 5 ft. 10
- BRACHYCOME, Fine Mixed.** The well-known "Swan River Daisy." A beautiful half-hardy annual; blooms all summer. 1 ft. 05
- BROWALLIA.** Amethyst. Completely covered during summer with innumerable flowers. G.P.
- Speciosa major.** Brilliant, ultramarine-blue flowers. 1 ft. 10
- Mixed.** Many colors. 18 in. 05
- BUTTERFLY RUNNER BEAN.** The large wings are pure, spotless white, standard salmon-rose. Fine for arbors and trellises. H.A. Climber. 12 to 15 ft. 10
- BUTTERFLY FLOWER, or SCHIZANTHUS.** Easily grown, bearing quantities of gay, butterfly-like flowers, beautifully marked. H.A. 18 to 24 in. Mixed colors. 05
- CALANDRINIA speciosa.** A pretty, half-hardy annual, continuously in bloom. Flower purple. 6 in. 05
- CALCEOLARIA.** Highly colored flowers, produced in great profusion. G.P. 1 ft.
- Fine Mixed Hybrids.** 20
- CALENDULA.** Cape, or Pot Marigold. Will grow in almost any soil. Blooms abundantly and continuously. H.A. 1 ft.
- Prince of Orange.** Flowers often 4 inches across, perfectly double, of the most brilliant orange color. A profuse bloomer. 05
- Mixed.** Double sorts. Oz. 15 cts. 05

CALLIOPSIS.

Thrives in any soil. Blooms until frost. H.A. 12 to 30 in.

Hybrida superba. Forms dense bushes, covered all summer with beautiful flowers, in shades of orange-yellow to the deepest velvety brown. 18 in. Pkt. 10 cts.

Drummondii. Golden Wave. Gold and brown. 1 ft. Pkt. 5 cts.

Bicolor nana radiata. Golden Ray. Golden yellow, with dark purplish brown centers. 6 to 8 in. Pkt. 5c. Mixed. Pkt. 5 cts., oz. 25 cts.



Calliopsis Drummondii

- CAMPANULA.** Bellflower, Canterbury Bell. Pkt. Bears a great profusion of attractive, bell-shaped flowers. Thrives in almost any soil. H.P. 1 to 2 ft.
- Carpaticea.** Large, blue or white flowers. Blooms the entire season. 6 to 12 in. \$0 05
- Single Blue, White, Rose.** Each, 10
- Single Mixed.** 05
- Double Blue, White, Rose.** Each, 10
- Double Mixed.** 05
- Medium calycanthema.** Cup-and-Saucer. Often has 35 to 40 flowers open at the same time. 2 ft. **Blue, White, Rose, or Mixed.** Each, 10
- CANARY-BIRD FLOWER.** Finely cut leaves, and bears a profusion of beautiful golden yellow, fragrant flowers. T.A. Climber. 10 ft. Oz. 25 cts. 05
- CANDYTUFT.** Iberis. Requires little care; blooms all summer. Sow in early spring and in August. H.A. 6 to 12 in.
- Empress.** Large, white trusses of branching habit; very free blooming. Recommended for bedding and cut-flowers. Oz. 30 cts. 05
- Little Prince.** This charming dwarf variety is in great demand for borders and is a very satisfactory and pleasing bedder. The bloom is pure white; plant of compact growth, and a profuse bloomer. Oz. 30 cts. 05
- Carminea.** Large umbels; rich carmine. 05
- Purpurea.** The very darkest crimson; a handsome strain. 05
- Lilacina.** Purple. 12 in. 05
- Queen of Italy.** Fine pink flowers. 6 in. 10
- Mixed.** All sorts. Oz. 25 cts. 05
- Dwarf Hybrids.** Mixed. 10
- Candytuft, Hardy Perennial—**
- Semperflorens.** Pretty, white flowers, evergreen foliage. 10
- Gibraltarica.** Lilac, shaded to white. 10
- CANNA.** Indian Shot Plant. Produces a rich effect with broad and massive foliage and spikes of brilliant flowers. Pierce shell of the seed and soak in warm water 24 hours. Blooms from seed the first year. T.P. 2 to 5 ft.
- Crozy's Hybrids.** Magnificent flowers; thick, leathery foliage. Oz. 25 cts. 10
- Fine Mixed.** All colors. Oz. 15 cts., ¼ lb. 50c. 05
- CARNATION, Giant Marguerite.** This strain is the most compact and floriferous. For bedding or borders is unsurpassed. Plant grows upright and needs no support. Flowers double, measuring about 3 inches. H.A. 18 in.
- Giant White, Scarlet and Yellow.** Each, 10
- Giant Mixed.** ¼ oz. 50 cts. 10
- Early Dwarf Vienna.** A very fine variety of Carnation for indoor culture. Excellent for cutting. H.A. 1 ft. **Double White, Rose, Mixed.** Each, 10
- Double Red.** Grenadin. Bright scarlet. 10
- Double Perpetual.** Finest Mixed. 15
- CATANANCHE cærulea.** Hardy perennial; blooms first season. Flowers blue. 1½ ft. 05
- CATCHFLY.** Forms compact, round bushes; produces dense umbels of red, pink, or white flowers. H.A. 12 in. Mixed. 05
- CELOSIA.** Cockscomb. Of easy culture and should be planted in every garden, large or small. The dwarf-growing varieties are excellent for borders and the taller sorts for backgrounds. Blooms all summer. H.A.
- President Thiers.** Bears large, crimson combs. Excellent for borders. 1 ft. 10
- Cristata, Dwarf.** Dark Red, Yellow, Rose, and Mixed. Each, 05
- Thompson's Magnifica.** The most perfect strain of ostrich-plumed Cockscombs. Color ranges from clear yellow to blood-red in the most magnificent shades. 2 to 3 ft. 10
- Plumosa.** Produces large, showy plumes. T.A. 2 to 3 ft. **Crimson, Orange and Mixed.** 10

CENTAUREA CYANUS. Blue Bottle, Ragged Pkt. Sailor, Korn Blume, Cornflower, Bluet, Bachelor's Button, etc. Very free-flowering. H.A. 2 to 3 ft.

Blue Emperor. Bright blue. . . Oz. 35 cts. . . \$0 05
Double Blue. 1/4 oz. 30 cts. . . 10
Rose. A very distinct shade. 1 1/2 ft. 05
Mixed. Single. 1/2 oz. 20 cts., oz. 30 cts. . . 05
Chameleon. Pale yellow when opening, turning to a beautiful rose-color. 10
Odorata. Light blue; highly fragrant. 10
Margaritæ. Snow-white blossoms. 10
Suaveolens. Grecian Cornflower. Brilliant yellow; sweet-scented. 10
Imperialis, Mixed. 05
Americana. Lilac-purple flowers. H.A. 10

Centaurea. Dusty Miller. Extensively used for borders, margins, bedding, and hanging-baskets. H.H.P. 1 ft.

Candidissima. Silvery white, cut foliage. . . . 10
Gymnocarpa. Silver-gray foliage. 10

CENTRANTHUS macrosiphon, Mixed. A very free-flowering annual, suitable for borders. 1 ft. 05

CERASTIUM tomentosum. A favorite plant, of the trailing habit, producing abundant white flowers. H.P. 20

CHINESE LANTERN PLANT, or Japanese Winter Cherry. Produces in great abundance balloon-like husks about 3 1/2 inches across, which at first are bright green, changing later to yellow, then orange and scarlet, greatly resembling at the last, miniature Chinese lanterns. H.A. 2 ft. 10

CHRYSANTHEMUM. Extremely showy and effective summer bloomers, flowering freely through the summer months until cut down by frost. For early blooming start seeds indoors the latter part of March. Transplant to the garden when danger of frost is past. H.A. 2 to 3 ft.

Bridal Robe. Very profuse bloomer. A bed in full bloom resembles a drift of snow. 10

Coronarium. Double White or Yellow. Each, 10

Double Mixed. 05

Tricolor. These sorts have beautiful rings or eyes of colors. **Single Yellow, White, Scarlet, or Mixed** Each, 05

Chinese and Japanese, Large-flowering. Seed sown early in the house will produce plants that will bloom the first year. Highly recommended. Many blooms are single or semi-double. H.P. 2 to 3 ft. 20

Pompon, fl.-pl. Hardy varieties, with bright, clustered flowers. 1 1/2 ft. 20

Frutescens. Paris Daisy, or French Marguerite. Large, star-shaped, white flowers, with yellow center. H.P. 1 ft. 10

CINERARIA. Cape Aster. Our strain of Cineraria seed is unsurpassed for beautiful variety and richness of color, as well as for perfection of form and size of flower. G.P. 18 in.

Noll's Choicest Hybrids. Our superior strain. 25
Polyantha stellata, Mixed. 25
Maritima candidissima. White foliage. 10

CLARKIA. A profuse bloomer. H.A. 18 in. . . . 05
Fine Mixed. Double and single varieties. . . . 05

CLEMATIS. One of the best climbers for trellis, veranda, etc. H. P. Climber. 15 to 20 ft.

Paniculata. Virgin's Bower. Star-like, white blossoms. 10

Jackman's Hybrids. 10
Mixed. All sorts. 10

COBÆA. Cathedral Bells. One of the most rapid growers. Flowers large, bell shaped; a profuse bloomer. T.A. Climber. 30 ft.

Scandens. Rich purple. 10
Mixed. 10

COLEUS. The most handsome foliage plant obtained from seed, largely used for beds or borders. The colorings on the leaves are remarkably rich and varied, ranging through all colors. T.A. 12 to 24 in.

Mammoth Rainbow. Large leaves, often 10 inches in length and 8 inches across, crumpled and serrated in various ways. \$0 15

Fine Mixed. Many fine varieties. 10

CONVOLVULUS. Morning-Glory. Easily grown in any situation. One of the most popular climbing plants. Almost every color is represented and for covering arbors or trellises is entirely satisfactory. H.A. Climber.

Major. Too well known to need description. One seldom finds a more satisfactory vine. 12 to 15 ft. Mixed colors. Pkt. 5 cts., oz. 15 cts.

Minor. Trailing or Dwarf Morning-Glory. An excellent bedder; completely covers the ground; the large flowers are of many brilliant colors. 1 ft. Tricolor, mixed. Pkt. 5 cts.

COREOPSIS lanceolata. The bright yellow flowers are produced freely all summer. H.P. 2 to 3 ft. Pkt. 5 cts.



Centaurea Cyanus

COSMOS. The Glory of Autumn. One of the most popular autumn flowers and superior for cutting, lasting for several days. Start seed indoors to obtain an earlier and longer period of bloom. When the plants are about a foot high the top should be pinched off to induce a bushy growth. H.A. 3 to 7 ft.

Noll's Mammoth-flowered. Flowers of this superb strain are 5 inches across, in the most exquisite shades. Start seed early and the results will be surprising. **Pure White, Pink, Crimson.** Each, \$0 10

Mixed. 1/4 oz. 15 cts., 1/2 oz. 25 cts. . . 10

Klondyke. Orange-colored; very fine. 10

Large-flowered, Choice Mixed. All sorts in finest mixture. 1/2 oz. 15 cts., oz. 25 cts. . . 05

Early Summer-flowering. The plants are dwarfer than the late-flowering Cosmos, forming compact bushes. The colors are white, crimson, and pink, which we offer only in mixture. Mixed colors. 1/4 oz. 25 cts., 1/2 oz. 40 cts. . . 10

Lady Lenox. Immense flowers of an exquisite shade of shell-pink. 10

CROTALARIA retusa. Yellow-flowering Pea. Rich, golden yellow blossoms of true Sweet-Pea form. Blooms in racemes, sometimes as many as 40 to a spike. G.P. 12 to 24 in. . . 10

CYCLAMEN. Charming plants with beautiful foliage and rich-colored, fragrant flowers. Sow seed in a compost of well-rotted manure, leaf-mold, and sand; cover lightly with moss; remove this after seed germinates. Flowers are of enormous size and borne well above foliage on long, stiff stems. G.P. 9 to 12 in.

Persicum. Fine mixed. 10

Giganteum. Mammoth flowers. A splendid strain. 20



Dianthus, or Pinks

- CYPERUS alternifolius.** Umbrella Plant. Pkt.
Resembles a palm in general style and habit of growth. Can be easily grown in any bowl or dish half filled with rich soil. Keep well supplied with water. G.P. 18 to 24 in....\$0 10
- CYPRESS VINE, or STAR-FLOWER** (*Ipomæa Quamoclit*). For trailing upon a light ornamental trellis this cannot be excelled. The star-shaped blossoms are produced in profusion. T.A. Climber. 10 to 15 ft.
Scarlet or White...... Each, oz. 30 cts.... 05
Mixed. Above in splendid mixture. Oz. 25c.... 05
- DAHLIA.** Seed planted early in the spring will produce plants that will give abundant blooms the first summer. H.H.P. 2 to 5 ft.
Large-flowered, Double Mixed...... 15
Double Mixed...... 10
Single Mixed...... 10
Cactus Mixed...... 10
- DAISY** (Bellis). Seed sown in early spring will bloom the first summer, and continue for years if given slight protection during the winter. Should be grown in partial shade. H.P. 3 to 6 in.
Giant Red. Glowing red, shaded rose; perfectly double..... 10
Giant White. Large; double; pure white.... 10
Snowball. Flowers large; double; white..... 10
Giant Double Mixed...... 10
The Shasta. Excellent for bedding or cut-flowers. Flowers white, 3 to 4 inches across, on stems 18 inches long. 3 ft..... 10
California. Similar to the above, but with creamy yellow flowers. H.P. 3 ft..... 10
- DATURA.** Trumpet Flower, Angel Trumpet. For a showy plant the Datura is excellent. The grand trumpet-shaped flowers measure 6 to 9 inches in length and nearly 6 inches across and form two distinct trumpets. H.H.A. 3 ft.
Cornucopia. Horn of Plenty. Flowers white and purple; very fragrant..... 05
Fastuosa alba. Large; double; white..... 10
- DELPHINUM.** Perennial Larkspur. Effective in beds or masses, in shrubbery or borders, or in combination with white lilies. Allow ample room for development. H.P. 2 to 3 ft.
Yellow Zafir. Beautiful sulphur-yellow.... 10
Belladonna Hybrids. Lovely shades of pale and deep blue..... 20
Formosum. Brilliant blue, white center.... 10
Brunonianum. Lovely blue, musk-scented flowers. 3 ft..... 15
Cardinale. Orange-scarlet. 2 ft..... 15
Hybrids, Mixed. Choice varieties..... 10
Elatum hybridum. Finest double mixed.... 20
- DIANTHUS.** Pinks. Flower freely from seed the first year; bloom is more profuse the second year. H.B. 1 to 1½ ft.
White Frills. A magnificent white flower with deep, lacinated petals..... 10
- Dianthus chinensis.** China or Indian Pink. Pkt.
Double mixed...... Oz. 50 cts... \$0 05
Wonderful. A finely fringed Japanese Pink of wonderful beauty. The plants produce their large flowers of 3 to 4 inches in diameter on stiff, upright stems. The petals are deeply cut and the color in all shades from white to rose and deep purplish red..... 10
Plumarius. Scotch, Clove, or Grass Pink. The flowers are delicately fringed, variously colored, and delightfully fragrant. H.P. 05
Plumarius, Double Mixed. Pheasant's Eye Pink. Large flowers with fringed edges and zones in various colors..... 10
Heddewigii, Fireball. Double scarlet..... 10
Semperflorens. Perpetual Pink. Double, semi-double, and single, of various colors.... 10
- DICTAMNUS fraxinella, Red.** Gas Plant. Ornamental, hardy perennial; foliage has a lemon odor. 3 ft..... 10
- DIGITALIS.** Foxglove. The spikes of bloom are produced in abundance and make a brilliant display among shrubbery. H.P. 3 to 4 ft.
Purple. The best known..... 05
White. Very pretty and attractive..... 05
Rose. A very fine shade..... 05
Yellow. Long spikes of bell-shaped flowers... 05
Mixed. All colors..... ¼ oz. 20 cts... 05
Gloxiniæflora. Purple, White, and Rose. Each, Mixed. This strain has long spikes bearing Gloxinia-like flowers..... ¼ oz. 25 cts... 05
Maculata superba. Splendid, spotted strain. 10
Monstrosa. Splendid mixed. 4 ft..... 10
- DIMORPHOTHECA aurantiaca.** African Gold Daisy. Covered with flowers 2 to 3 inches across, golden yellow with black disk. Desirable for pots, borders, or edging. H.A. 1 ft.. 10
Aurantiaca hybrids. New selected hybrids in a splendid mixture. H.A..... 15
- DOLICHOS.** Hyacinth Bean. A rapid grower, flowering freely in erect racemes, followed by ornamental silvery seed-pods, H.H.A. Climber. 10 ft.
Daylight. Bold spikes of pure white flowers, resembling the sweet pea in shape. Oz. 20c... 05
Lablab. Purple..... Oz. 20 cts... 05
Mixed colors...... 05
- DORONICUM caucasicum.** Large yellow flowers, blooming very early. H.P. 2 ft..... 20
- ERYSIMUM Perofskianum.** Orange-colored hardy annual, in the style of the wallflower. 1 to 1½ ft..... 05
- ESCHSCHOLTZIA.** California Poppy. Cheerful blooms and finely cut foliage. Sow where the plants are to remain. H.A. 12 to 18 in.
Thorburnii. Coppery orange 10
Golden West. Bright yellow, orange base.... 05
Carminé King. Carminé-rose..... 10
Californica. Rich yellow..... 05
Mixed. Handsome colors..... Oz. 25 cts... 05

EULALIA japonica zebrina. Zebra Grass. Pkt. Forms handsome clumps that greatly add to the appearance of any grounds. H.P. 6 ft. \$0 10

EUPHORBIA. Suitable for beds or mixed borders. H.A. 2 to 3 ft.

Variegata. Snow-on-the-Mountain. Foliage veined and margined with white. 05

Heterophylla. Annual Poinsettia, Mexican Fire Plant, Painted Leaf, Fire-on-the-Mountain. Glossy green leaves; flowers beautiful orange-scarlet. 10

EVENING PRIMROSE. The yellow or white flowers open at sunset. Easy to grow. H.A. 6 to 8 in. Mixed. 05

EVERLASTING FLOWERS. Straw-like flowers that retain their form and color for years, if cut when just in bud and hung head downward to dry. Used in winter bouquets. H.A. 2 ft. 05

Acroclinium. Mixed. 1 ft. 05

Globe Amaranth. Bachelor's Button. Mixed colors. 1 ft. 05

Helichrysum. Straw Flower. Mixed colors. 2 ft. 05

Rhodanthe. Mixed colors. 1 ft. 05

Xeranthemum. Mixed colors. 1 ft. 05

Mixed. All the above. 05

EVERLASTING PEA. Lathyrus. Hardy Sweet Pea. While these have not the fragrance of the sweet pea, they bloom through a long season. H.P. 6 to 8 ft.

Splendens, Pride of California. Large, pale rose-colored flowers. 10

Mixed. All colors. Oz. 40 cts. 05

FERNS. Sow seed in finely sifted sand and peaty loam, covering the pans with pieces of glass. Place in a shaded position and do not allow them to dry out. Seed slow to germinate. G.P. 6 to 24 in.

Extra-Choice Mixed. 20

FEVERFEW. Matricaria. Does well in almost any soil. H.A. 2 ft.

Double White. 05

FUCHSIA. Blooms the first year from seed if planted early. G.P. 8 to 12 in.

Choice Hybrids. Single and Double Mixed. 20

GAILLARDIA. One of the most valuable annuals for cut-flowers. H.A. 15 in.

Lorenziana. Flowers double, round as a ball, of the most varied colors. 05

Salmonea. Salmon-red. 10

Grandiflora compacta. Compact-growing, forming bushy plants. In coloring, the flowers are rich and varied. H.P. 12 to 15 in. 10

Maxima. Golden yellow flower. H.P. 2½ ft. 10

GENTIANA acaulis. Showy, hardy perennial, valued for its beautiful, blue flowers. 2 ft. 10

GERANIUM. Grows readily from seed and produces plants that bloom the first season. G.P. 10 to 18 in.

Zonale. Seed saved from finest sorts. 10

Lady Washington. Pansy Geranium. Finest mixed. 25

Apple-scented. The leaves have a decided fragrance. 20

Double Mixed. Seed from double-flowering varieties only, although a percentage will produce single flowers; all will be excellent. 25

Fine Mixed. All sorts. 15

GEUM atrosanguineum fl.-pl. A pretty, hardy perennial, producing excellent double crimson flowers. 1½ ft. 10

GILIA. Flowers freely all summer; fine for massing. Mixed. H.A. 6 to 10 in. 05

GLADIOLUS. Seed sown early will produce bulbs that will flower the first season. In the fall take up, dry off, and store away for next year's planting. See index for Gladiolus bulbs, which, when planted in masses in separate colors, are simply magnificent. H.H.P. 3 to 4 ft.

Large-flowering. Mixed colors. 10

GLOXINIA. Magnificent house plants. Heat Pkt. and shade are required to obtain best results. Brilliantly colored, bell-shaped flowers. G.P. 12 in.

Hybrids, Mixed. \$0 25

GODETIA. Satin Flower. Dwarf, spreading habit of growth; flowers numerous and handsome. H.A. 8 to 12 in.

Extra-Fine Mixed. Oz. 30 cts. 05

GOLDENROD. Solidago. Golden yellow flowers in panicle form. H.P. 3 to 5 ft. 05

GOLDEN GLOW. See Rudbeckia, page 47.

GOURDS. Ornamental. A large and interesting class, producing a great variety of curious fruits, many of which are peculiarly marked. Annual Climber. 10 to 15 ft.

Bottle. A good sort. 05

Dipper. Makes an excellent dipper. Oz. 30c. 05

Nest Egg. White, egg-like fruits. 05

Gooseberry. Smallest fruits. 05

Hercules' Club. 4 to 6 feet long; white. 05

Orange, or True Mock Orange. 05

Dish Cloth. Inside used as a sponge. 05

Pear. Green, white striped. 05

Small Ornamental Sorts. Mixed. Oz. 25c. 05

Large Ornamental Sorts. Mixed. Oz. 25c. 05

Mixed. All kinds. Oz. 25 cts. 05

GYNERIUM argenteum. Pampas Grass. Has beautiful plumes that are largely used for decorative purposes. H.P. 6 ft. 10

GYPSOPHILA. An excellent flower for shrubbery or rockwork. H.A.

White, Rose. Each, 05

Paniculata. Baby's Breath. White. H.P. 10

HELIANTHEMUM. Sun or Rock Rose. For rockeries; completely covered with the variously colored flowers. H.P. 4 to 8 in. 05

HELIOTROPE. These well-known greenhouse and bedding favorites are highly esteemed for their fragrant flowers. G.P. 18 to 24 in.

Lemoine's Hybrids. This bears the most magnificent heads of flowers, many being at least a foot across, of the most lovely hues of purple and violet. 10

Fine Mixed. From a large collection. 05

HIBISCUS. Easily grown from seed. Bears immense saucer-shaped flowers, at least 7 inches across. H.P. 4 to 5 ft.

Crimson Eye. White, with crimson center. 10

HOLLYHOCK. These are unexcelled for planting along buildings or fences, where a background of gorgeous flowers is desired. If sown indoors will bloom the first season. Sow outdoors in April or June for next year's bloom. H.P. 5 to 6 ft.

Double White, Pink, Salmon-Rose, Scarlet, Yellow, or Maroon. Each, pkt. 10 cts.

Noll's Selected Double Mixed. Pkt. 10 cts., ¼ oz. 40 cts.

Allegheny Fringed. The flowers are either double or semi-double and almost all the petals are beautifully fringed. Pkt. 10 cts.



Gaillardias



Kudzu Vine

- HOLLYHOCKS, ANNUAL.** Plants from seed Pkt.
sown under glass in March will produce
flowers in July and continue until frost.
- Single Mixed**.....\$0 10
Double Mixed.....10
- HONESTY** (*Lunaria biennis*). Flowers purple
or white. The silvery seed-pods are used as
house ornaments. H.B. 2 ft.....05
- HOP, Japanese Variegated.** Humulus. There
is no harder vine than this. Resists drought,
and insects never bother it. The foliage is
beautifully variegated, splashed and streaked
with white. T.A. 15 to 20 ft.....10
- HUNNEMANNIA.** Giant Yellow Tulip Poppy.
Grows into a branched plant that covers the
ground with a net-like ornamental foliage.
Flowers are large, cup-shaped, 3 inches across,
produced on stems 12 inches long; color bright,
clear yellow. H.A. 18 in.....1/4 oz. 20 cts...05
- ICE PLANT.** Mesembryanthemum. Flowers
frosted or wax-like. Leaves of great sub-
stance. Excellent for hanging-baskets or
rockwork. T.A. 6 in.....05
- IMPATIENS.** French Lady's Slipper, Zan-
zibar Balsam. Blooms entire summer and
winter. Easily grown. T.P. 18 to 24 in.
- Sultana Hybrids.** Brilliant, waxy rose-pink
flowers; continually in bloom.....10
- INULA glandulosa grandiflora.** Splendid
hardy perennial with large orange-yellow
flowers. 2 ft.....20
- IPOMŒA.** Quick, luxuriant growth. The large,
thick shell should have a notch filed in the
seed, and be soaked in warm water before
planting. H.A. 15 to 25 ft.
- Giant White Moonflower.** The large, pure
white flowers are sweet-scented and entirely
cover the vine from base to summit. Plant
indoors, 1 inch deep; keep damp in a warm
place; when up, plant outdoors in a sunny
position, after all danger from frost is past.
1/2 oz. 40 cts...10
- Setosa.** Brazilian Morning-Glory. Rose-
colored flowers, pink star centers. 10 to 20 ft.
- Bona-nox.** Good-night, or Evening Glory.
Large, blue flowers, open in the evening.
15 ft.....Oz. 60 cts...10

- IPOMOPSIS elegans, Mixed.** Showy and Pkt.
beautiful biennials; flowers very bright in
color. 2 ft.....\$0 10
- IRIS, Japanese.** Flag, Fleur-de-Lis. Showy
plants, used extensively in the hardy border.
Flowers are enormous. H.P. 2 to 3 ft.
Mixed.....1/4 oz. 25 cts...10
- JACOB'S LADDER.** Polemonium. Beautiful
border plant with blue flowers borne in clus-
ters. 2 ft.....05
- JERUSALEM CHERRY.** Solanum. A useful
pot-plant, largely in use for winter decora-
tions. The bright scarlet berries are very orna-
mental and are produced in great abundance.
G.P. 18 to 24 in.....10
- JOB'S TEARS** (*Coix lacryma*). Corn-like
leaves and hard seeds of peculiar appearance.
H.A. 1 1/2 ft.....Oz. 15 cts...05
- KAULFUSSIA.** Used for edging and bedding,
for which it is in great demand. H.A. 1 ft.
Mixed colors.....1/4 oz. 20 cts...05
- KOCHIA tricophylla.** Burning Bush, Belvi-
dere, Summer Cypress, or Mexican Fire
Plant. A rapid-growing plant of oval shape;
foliage green, turning red in autumn; very
ornamental when used as a hedge or back-
ground. H.A. 3 ft.....1/4 oz. 20 cts...10
- KUDZU VINE, Japanese.** Jack and the Bean
Stalk. This is decidedly the strongest grow-
ing climber that ever was introduced from
Japan, the land noted for its curious flowers
and plants. The leaves are bold in form, of
brightest green, and overlap each other so as
to form a dense screen. H.P. 25 to 50 ft...10
- LANTANA.** For ribbon gardening or bedding
nothing can equal this in beauty of flowers
and compact growth of plant. H.H.P.
10 to 20 in.
- Dwarf Bedding Hybrids.** The flower is large,
and resembles a verberna in shape.....10
- Choice Mixed Hybrids**.....05
- LARKSPUR.** There is a wide range of color in
these profuse bloomers and ornamental
showy annuals. They bloom best in a rather
cool, moist soil. H.A. 1 to 2 ft.
- Emperor Branching.** White, Rose or Azure-
blue.....Each, 10
- Emperor Branching.** Mixed..1/2 oz. 30 cts...05
- Cardiopetatum.** Fine blue.....10
- Tall Stock-flowered Mixed**.....10
- Finest Mixed**.....1/4 oz. 15 cts., oz. 50 cts...05
- LAVATERA.** Annual Mallow. Best used as
backgrounds for dwarfier plants. H.A. 2 ft.
- Variegata.** Large leaves, mottled yellow;
very decorative.....10
- Mixed.** All varieties.....05
- LAVANDULA vera.** The true Lavender; a
well-known ornamental, hardy perennial,
bearing long spikes of fragrant blue flowers.
1 to 2 ft.....10
- LEMON VERBENA.** Aloysia. Grown for the
delightful citron fragrance of the light green
leaves. Flowers white, borne on long stems.
G.P. 1 ft.....10
- LEONTOPODIUM alpinum.** Edelweiss.
Pretty hardy perennial from the Alps; with
pure white flowers. 6 in.....10
- LEPTOSIPHON.** A hardy annual; blooms in
masses. 1 ft.
- Densiflorus albus.** White.....10
- Densiflorus.** Blue.....10
- LEPTOSYNE Stillmanii.** Half-hardy annual,
with yellow marguerite-like flowers. 1 to 2 ft.
- LIATRIS pycnostachya.** Showy plants with
large spikes of purple flowers. H.P. 4 ft...10
- LIMNANTHES Douglasii.** A vigorous, dwarf-
growing plant with fragrant yellow and white
flowers. 1 ft.....10

LINARIA Cymbalaria. Kenilworth Ivy. Pkt. Trailer, with small, purple or lavender flowers; used for hanging-baskets, rockeries, or vases. H.P. 1 to 3 ft.....	\$0 10
Fine Mixed Hybrids. Snapdragon-shaped flowers, very desirable for edging and rock-work. H.A. 12 in.....	05
LINUM. Scarlet Flax. An excellent and effective, showy bedding plant that is in bloom the entire season. H.H.A. 2 ft.....	05
LOBELIA. Nothing better for beds, edging or pot culture. Blooms quickly from seed and continues through the season. H.A. 8 to 15 in.	
White Gem. Fine, pure white flowers.....	10
Oculata. Dark blue, white eye.....	10
Gracilis. Blue, trailing; excellent for baskets.	05
Crystal Palace Compacta. Dark blue. Fine for bedding. 6 in.....	10
Mixed. Best annual sorts.....	05
Cardinalis. Cardinal Flower. Fine border plant; brilliant scarlet flowers. H.P. 3 ft...	10
LUPINUS. Ornamental and free-flowering annuals. Long, graceful racemes of rich and various-colored, pea-shaped flowers. H.A. 1 to 3 ft. Mixed.....	05
Polyphyllum, Mixed. Perennial. 3 to 4 ft...	05
LYCHNIS. Blooms year after year; requires no protection. H.P. 1 to 2 ft.	
Chalcedonica. Scarlet flowers.....	05
Haageana Hybrids. Mixed.....	05
MALOPE. Very pretty, free-flowering, mallow-like flowers. H.A. 2 to 3 ft.	
Grandiflora alba	05
Grandiflora purpurea	05
MALVA. Handsome garden plants that bloom all summer. H.P. 2 ft.	
Moschata alba, or Rose Each,	10
MARIGOLD. Old favorites of easy culture. Effective when planted in groups or in garden borders. H.A.	
African or Tall Varieties.	
Lemon Queen. Double. 2 ft. ½ oz. 50c...	05
Prince of Orange. Double. 2 ft. ½ oz. 50c...	05
African Tall Mixed. 2 ft. Oz. 50c...	05
French or Dwarf Varieties. These, dwarf, compact varieties are all attractive, being covered with hundreds of small flowers.	
Gold-striped. Velvety maroon, striped gold. 8 to 10 in. Oz. 50 cts...	05
Silver King. Velvety brown, surrounded by pale lemon. 8 to 10 in. ½ oz. 30 cts...	05
Legion of Honor. Little Brownie. Single golden yellow, red markings. Oz. 60 cts...	10
French Dwarf Mixed. ½ oz. 25 cts...	05
MARVEL OF PERU. Four-o'Clock. Called Four-o'Clock because they open their blossoms at that hour in the afternoon. H.A.	
Tom Thumb, Mixed. 2 ft. Oz. 20 cts...	05
Hybrids, Mixed. 2 ft. Oz. 20 cts...	05
MATHIOLA. Night-smelling Stock. Lovely lilac-pink flowers. Fragrant at night and after showers. H.A. 15 in.....	05
MEXICAN PRIMROSE. Large, beautiful, pink flower, with a distinct white center. In bloom almost all the time. T.A. 10 in.....	05
MIGNONETTE. Seed of this popular annual can be sown at any time. If successions are made, these modest-colored, fragrant plants blossom outdoors until November. H.H.A. 12 to 24 in.	
Paris Market. Red flowered.....	10
Machet. Large spikes, reddish-tinted.....	10
Oz. 50 cts...	10
Goliath. Enormous trusses of double red flowers, measuring about 8 inches long by 2 inches or more in diameter.....	10
Bismarck. An improvement over Machet...	10
Allen's Defiance. An excellent variety for cutting..... Oz. 50 cts...	10
Large-flowering (<i>Reseda odorata grandiflora</i>). Fine for open ground..... Oz. 20 cts...	05
MIMOSA pudica. Sensitive Plant. Curious and interesting. The leaves close and droop when touched or shaken. Flowers pinkish white. T.A. 18 in.....	\$0 05
MIMULUS. Thrives best in a rather moist situation, bearing odd-shaped flowers. H.A. 6 to 12 in.	
Moschatus. Musk Plant. Flowers yellow...	05
Tigridus. Monkey Flower. Very showy blotched flowers. A profuse bloomer.....	05
MOMORDICA. Balsam Apple. Curious warted fruit of golden yellow color, which opens when ripe. T.A. Climber. 10 ft.	
Balsamina. Apple shaped.....	
½ oz. 15 cts., oz. 25 cts...	05
Charantia. Long, pear-shaped fruit.....	05
½ oz. 15 cts., oz. 25 cts...	05
Mixed ½ oz. 15 cts., oz. 25 cts...	05
MORNING-GLORY. This is too well known to need a lengthy description, and one seldom finds a more satisfactory vine. H.A. Climber. 10 to 20 ft.	
Imperial Japanese. Single Mixed. Oz. 40c...	05
Finest Double Mixed. While producing flowers of great beauty and substance, not all the blooms will be double.....	10
MYOSOTIS. Forget-me-not. Succeeds best in a moist, shaded position. Have soil moderately rich. H.H.P. 6 to 10 in.	
Victoria. Blue with yellow centers.....	10
Semperflorens. Fine for pots.....	10
Palustris. The true Forget-me-not.....	05
Ruth Fischer. Lovely blue.....	20
Alpestris. A pretty trailer. Blue, White, Rose Each,	10
Mixed	05
NEMOPHILA. Love Grove. Bears pretty bright flowers and is very easy to grow. H.A. 1 ft.....	05
NICOTIANA. Sweet-scented Tobacco Plant. Produces a great number of fragrant flowers. H.H.A. 3 ft.	
Affinis. Large, pure white flowers.....	05
Affinis Hybrids. Mixed colors.....	10



African Marigold, Prince of Orange



Noll's Superb Nasturtiums

NASTURTIUM, TALL, or CLIMBING. During the three or four months of the season make a better display of brilliant blossoms than almost any other plant. The tall sorts are well adapted for covering unsightly railings and to trail over rough ground. The dwarf or Tom Thumb sorts are excellent for bedding or borders. H.A. Pkt. Oz.

Atropurpureum. Crimson	\$0 05	\$0 15
Coccineum. Scarlet	05	15
Golden-leaved. Scarlet; yellow foliage	05	15
Hemisphaericum. Orange	05	15
King Theodore. Crimson; blue foliage	05	15
Pearl. Creamy white	05	15
Prince Henry. Light yellow, marbled scarlet	05	15
Schulzii. Scarlet; very dark foliage	05	15
Vesuvius. Salmon; blue foliage	05	15
Jupiter. Deep golden yellow	05	15

Noll's Tall Superb Large-flowered, Mixed. The large flowers have a wonderful range of color and exquisite markings of great richness. 1/4 lb. 50 cts., lb. \$1.50.. 10 20

Tall Choice Mixed. Contains a very good mixture of all colors. 1/4 lb. 30 cts., lb. \$1.. 05 10

Tall Variegated, Mixed. 05 25

Nasturtium, Tom Thumb, or Bedding—

Aurora. Rosy salmon, blotched garnet	05	15
Beauty. Yellow and scarlet	05	15
Bronze. Coppery bronze	05	15
Chamaeleon. Crimson and yellow	05	15
Coccineum. Light scarlet	05	15
Cloth of Gold. Scarlet; yellow foliage	05	15
Crystal Palace Gem. Sulphur, spotted maroon	05	15
Empress of India. Dark crimson; blue foliage	05	15
Golden King. Golden maroon blotches	05	15
Golden Queen. Yellow foliage	05	15
King of Tom Thumbs. Dark scarlet, dark leaves	05	15
King Theodore. Garnet; blue foliage	05	15
Lady Bird. Orange, spotted red	05	15
Luteum. Clear yellow	05	15
Pearl. Creamy white	05	15
Prince Henry. Yellow, marbled scarlet	05	15
Regelianum. Purplish violet	05	15
Ruby King. Ruby-red	05	15
Vesuvius. Salmon; bluish foliage	05	15

Noll's Tom Thumb, Superb Large-flowered. These have the same mixture of colors as the tall superb mixture. 1/4 lb. 50 cts., lb. \$1.50.. 10 20

Nasturtium, continued Pkt. Oz.

Tom Thumb, Choice Mixed. All the best dwarf sorts. 1/4 lb. 30c., lb. \$1.. \$0 05 \$0 10

Dwarf Variegated, Mixed. 05 25

NIEREMBERGIA gracilis. Pretty cup-shaped lilac-and-white flowers. H.A.A. 1 ft. Pkt. \$0 10

NIGELLA. Love-in-a-Mist, or Devil-in-a-Bush. Compact growth; free-flowering plant. H.A. 12 to 18 in.

Miss Jekyll. Color pure cornflower-blue. 10

Double White, Mixed. Each, 05

NOLANA. Very showy plants. H.A. 1 ft.

Atriplicifolia. Blue. 05

Grandiflora alba. 05

NYCTERINIA capensis. White. Fine for borders. H.H.A. 9 in. Pkt. 10

ORNAMENTAL GRASSES. A fine assortment of ornamental grasses. H.P. 2 to 7 ft. Mixed. 10

OXALIS. Free-flowering little plants with beautiful bright flowers. Fine for hanging-baskets or vases. T.P. 6 in. Mixed. 10

PASSIFLORA caerulea. Passion Flower. A very interesting climber. Flowers are blue and white. H.H.P. 10

PENTSTEMON. Free-flowering plants; fine for beds or borders. H.P. 2 ft.

Hartwegii grandiflora. Blue. 10

Hartwegii grandiflora. Mixed. 10

PETUNIA. There is no flower more highly prized for use in beds, massing, borders, window-boxes, baskets, and vases. Succeeds in almost any soil and is in bloom the entire summer. Sow thinly and do not cover seed to a depth of more than four times their size. H.H.A. 1 to 2 ft.

Noll's Double Prize Giant. A superior mixture of all the double and fringed, large-flowering Petunias. About 30 per cent will bear double flowers. 25

Mammoth Fringed. The flowers are exquisitely ruffled or fringed. 20

California Yellow-throated. Large flower, with finely shaded, yellow throat. 20

Petunia, Single Bedding Varieties—

White, Red, Rose. Each, 05

Howard's Star. Deep crimson, with a distinct white star in center. 10

Venosa. Various colored, beautifully veined. 1/4 oz. 20 cts. 05

Hybrida, Single Mixed. 1/4 oz. 20 cts. 05

NOLL'S PANSIES
Heartsease

When grown from seed sown in the early autumn larger plants are made, which produce larger flowers the following spring than when grown from spring-sown seed. For best results, sow in open ground during August, setting to permanent location in September, and large plants will be formed before frost. Place dry leaves, loose straw, or salt hay over the plants about 3 inches deep during the last of November. This will induce a robust growth and make splendid early-flowering plants. H.A. 5 to 10 in.

- Giant Purple King.** Deep, royal purple. Pkt. 10 cts.
- Giant Ruby.** A large-flowering variety with many superb shades of rich red. Pkt. 10 cts.
- Giant Snowflake.** Pure, snow-white. Pkt. 10 cts.
- Giant Striped.** White, blue, and violet; very striking. Pkt. 10c.

Giant Trimardeau. Enormous flowers in various colors and shades.

Finest mixed. Pkt. 10 cts., 1/4oz. 75 cts.

Bugnot's Superb Blotched. Large flowers, with broad blotches. Pkt. 20c.

Madame Perret. Fine wine shades on white ground. Pkt. 10 cts.

Masterpiece. Superb class of blotched Pansies, with large blooms. Pkt. 10 cts.

Odier, or Blotched. Very fine strain of blotched Pansies. Pkt. 20 cts.

Cassier. Large-flowered, blotched. Pkt. 15 cts.

Extra Large-flowered, Fine Mixed. A mixture of large-flowered varieties. Pkt. 10 cts., 1/4oz. 50 cts., 1/4oz. 90 cts., oz. \$3.

Choice Mixed. A superior mixture of choice European varieties. Pkt. 5 cts., 1/8oz. 15 cts., 1/4oz. 25 cts., oz. 75 cts.

Noll's Improved Tufted Pansy. Flowers with distinct faces, blooming long, having a delightful fragrance. Planted in a light, rich soil and moist situation, they will bloom the entire summer. Pkt. 10 cts.

NOLL'S NON PLUS ULTRA. This is a carefully prepared mixture of the best varieties obtained abroad, including all the solid colors, striped and blotched. We have exercised great care in preparing this strain and are confident it cannot fail to give the utmost satisfaction. . . . 1/8oz. \$1.25, 1/4oz. \$2, 1 oz. \$7.50. \$0 20

Giant Adonis. A magnificent, large flower; light blue, with white center.	10
Giant Fire King. Pure golden yellow, upper petals purple; a unique combination.	10
Giant Dark Blue. A fine, dark blue color that is lasting.	10
Giant Lord Beaconsfield. Lavender, heliotrope, and purple.	10
Giant Freya. Large flower of deep, dark purple, each petal with a distinct silver edge.	10
Giant Golden Queen. Exquisite velvety texture. Bold flowers of pure, golden yellow.	10
Giant Indigo Blue. Of immense size and of rich, velvety plush effect.	10
Giant King of the Blacks. Lustrous, jet black. Large flower.	10
Giant Peacock. Rich garnet, cream, and ultramarine blue, with borders or margins of white, producing an odd effect.	10
Giant Mauve Queen. Fine shade of mauve.	10



Phlox Drummondii

PHLOX DRUMMONDII. Flame Flower. Pkt.

Dazzling in effect, more so when borders or masses are sown with contrasting harmonizing colors. Few colors are beyond their range. Sow as soon as frost is out of ground in early spring, later sowings in June. H.A. 1 ft.

Grandiflora. These varieties are far superior to those ordinarily sold. The flowers are larger than the older sorts.

Atropurpurea. Dark purple..... \$0 10
Coccinea. Large, brilliant scarlet..... 10
Rosea. A soft shade of rose..... 10
Alba. Large, pure white..... 10
Kermesina splendens. Vivid crimson.... 10
Isabellina. Pure yellow..... 10
Mixed...... 1/2 oz. 50 cts. 05

Hortensiflora, Scarlet. Blooms the entire summer. 6 to 8 in. 10
Hortensiflora, Mixed. 1/2 oz. 30c., oz. \$1 10

Nana compacta. Especially useful for beds, borders, or pots. 6 to 8 inches. Rose, Scarlet, White, Mixed,..... Each 10

Cuspidata. Star of Quedlinburg. Star-shaped flowers of many colors..... 10

Phlox, Hardy Perennial—

Large-flowered Hybrids, Mixed. 3 ft..... 10
Dwarf, Mixed. 1 1/2 ft..... 10

PLATYCODON. Very fine flowering plants. H.P. 2 ft.

Grandiflorum, Blue, White..... Each 10

POPPY. Flowers grow to an enormous size, from 6 to 7 inches in diameter. Colors are rich and varied. 2 ft.

Poppy, Hardy Annual—

Double Bright Rose, White, or Scarlet. Each, **Double Peony-flowered, Mixed.** Many fine colors..... 1/2 oz. 15 cts., oz. 25 cts. 05

Carnation-flowered, Mixed.... Oz. 25 cts. 05

Mikado. The Striped Japanese Poppy. Brilliant scarlet and white..... 05

Shirley. Silk, or Ghost Poppy..... 05

Danish Cross. Danebrog. Large, single scarlet, with white cross at base of petals..... 05

Mephisto. Beautifully fringed; varies from red and black to rose and white..... 05

POPPY, GLAUCUM. Tulip Poppy. Scarlet.
 See front cover. Pkt. 10 cts.

Poppy, Miss Sherwood. Satiny white, upper Pkt. half of petals chamois-rose.... Oz. 30 cts. \$0 05
Single Mixed...... Oz. 25 cts. 05

Poppy, Hardy Perennial—

Large flowered and showy. 2 to 4 ft.

New Oriental Hybrids..... 10

Oriente. Fiery scarlet..... 05

Nudicaule. Iceland Poppy. One of the most attractive varieties. 1 ft.

Double Mixed Iceland..... 10

Single Mixed Iceland..... 10

PORTULACA. Rose Moss. Brilliant-flowered plants of low growth, that will flourish under all conditions, though a sunny position and light, sandy soil suit it best. For beds, borders, among rockeries or under taller-growing plants it will carpet the ground with an amazing mass of foliage that is completely covered with the gorgeous flowers in the most brilliant colors. Requires very little care; do not sow seed until hot weather. H.A. 6 in.

Single Varieties—

White, Scarlet, Yellow, Rose..... Each, 05
Mixed...... 1/4 oz. 20 cts. 05

Double Varieties—

White, Scarlet, Yellow, Rose..... Each, 10
Mixed..... 1/2 oz. 25 cts. 10

POTENTILLA. Handsome and brilliant when in flower; foliage ornamental. H.P. 2 ft.

Single Mixed..... 10

Double Mixed..... 10

PRIMULA. Succeeds best in a moist, loamy soil, partially protected from the hot sun. H.P. 6 to 12 in.

Auricula. Many rich colors..... 10

Japanica. Japanese Primrose. Mixed..... 10

Forbesii. Baby Primrose. Pleasant shade of rose, with a yellow eye. Fine for cutting... 10

Obconica. Early to bloom from spring-sown seed; continues through the entire season. Mixed colors..... 10

Officinalis Hybrids. Cowslip. Mixed. H.P. 6 in..... 10

Vulgaris. English Primrose. Flowers canary-yellow and very fragrant..... 10

Polyantha. Single mixed..... 10

Chinensis. Chinese Primrose. These handsome house or conservatory plants have a long blooming period and the cut-flowers make a valuable table decoration, keeping fresh in water for several days. Flowers are cut and fringed. G.P. 8 to 12 in.

White, Crimson, Blue..... Each, 25

Finest Mixed..... 20

Malacoides. An excellent variety of Primula; blooms in four months from seed.

White, Lilac..... Each, 20

Stellata. Star-shaped flowers. Finest Mixed 25

PURPLE FEATHER GRASS. Graceful, narrow leaves, topped with handsome feathery plumes over a foot long from July until cut down by frost. H.A. 1 1/2 to 3 ft..... 10

PYRETHRUM. Daisy-like flowers of bright colors. H.P. 2 to 3 ft.

Atrosanguineum. Fine, dark scarlet..... 10

Single Mixed. Many colors..... 05

Double and Semi-double, Mixed..... 10

Parthenifolium aureum. Golden Feather. Pure yellow. H.P. 6 in..... 10

RICINUS. Castor Oil Plant. Largely used to give the lawn a subtropical effect or for centers of beds of foliage plants. H.H.A. 8 to 10 ft.

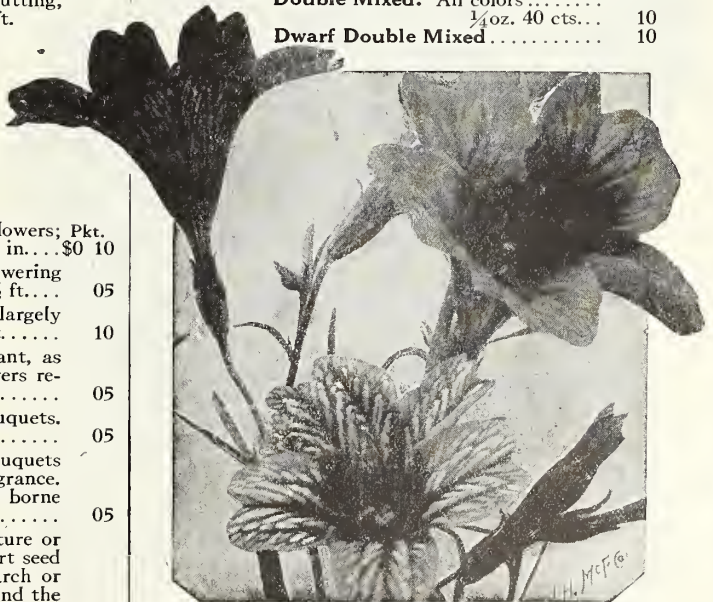
Canibodgensis. Maroon leaves, with red veins; stems black. 5 ft..... 05

Borbontensis. Violet. 15 ft..... 05

Gibsoni. Violet-bronze. 5 ft..... 05

Zanzibarensis, Mixed. Splendid varieties in mixture. 8 to 10 ft. 1/2 oz. 15c., oz. 25c. 05

- ROSE, Baby or Fairy.** This blooms in three months after sowing. Seeds sown in February in the house will bloom in June in the open ground, and continue throughout the season. Flowers mostly double, borne in clusters. H.P. 15 in. \$0 10
- RUDBECKIA, Golden Glow.** Attractive and compact-growing plants, producing numerous golden yellow flowers. H.P. 6 to 8 ft. 10
- SALPIGLOSSIS, Velvet Flower.** These showy, half-hardy annuals have beautiful funnel-shaped flowers, richly veined on a ground which varies from white, crimson, yellow, orange, etc. They are easily grown, requiring a light, rich sandy soil. H.H.A. 2 ft.
- Grandiflora coccinea.** Bright scarlet. 10
- Purpurea carminea.** Purplish violet. 10
- Rosea.** Rose shade. 10
- Violacea aureo venosa.** Lilac, veined on golden yellow. 10
- Emperor, Mixed.** This mixture is produced from the finest strains. 1/2 oz. 25 cts. 10
- Fine Mixed.** Large-flowered. 1/2 oz. 20 cts. 05
- SALVIA, Scarlet Sage.** Well-known bedding plants which carry hundreds of long, flaming flower-spikes open at one time, keeping up the magnificent display until frost. H.A. 18 to 36 in.
- Early Dwarf Zurich.** Scarlet. 12 to 15 in. 20
- Splendens.** Large-flowering Scarlet Sage. 3 ft. 1/2 oz. 30 cts. 10
- Splendens, Bonfire.** The most profuse bloomer of all; plant is densely covered with flaming scarlet flowers. 2 1/2 ft. 1/2 oz. 50c. 10
- Splendens, Silver Spot.** Green leaves, spotted creamy white; scarlet flowers. 1/2 oz. 50c. 10
- Farinacea.** Silver Sage. The light blue flowers are borne high above the foliage. 10
- Patens.** Blue Salvia. Erect spikes; rich, blue flowers. T.P. 10
- SANVITALIA procumbens fl.-pl.** Beautiful, dwarf-growing plants, with double yellow flowers. H.A. 6 in. 05
- SAPONARIA Calabrica.** Pretty, dwarf bedding plants with red flowers. H.A. 1 ft. 05
- SAXIFRAGA, Mixed.** Interesting little plants; excellent for borders. H.P. 9 in. 10
- SCABIOSA, Pincushion Flower, Mourning Bride.** A desirable border plant, with handsome flowers that are exceptionally fine for cutting, lasting for a long time. H.A. 2 to 3 ft.
- Minor aurea fl.-pl.** Beautiful Pkt. golden yellow \$0 05
- Black-Purple.** 05
- Candidissima.** Double; pure white 05
- Double Rose.** 05
- Japonica.** Lavender-blue. 10
- Double Mixed.** All colors. 1/2 oz. 20 cts. 05
- Caucasica.** Lavender. H.P. 10
- SEDUM acre.** Green foliage, yellow flowers; Pkt. excellent for covering graves. H.P. 4 in. \$0 10
- SENECIO, Double Mixed.** Free-flowering plants of easy culture. H.A. 1 to 1 1/2 ft. 05
- SMILAX.** Deep, glossy green leaves; largely used in bouquets. G.P. Climber. 6 ft. 10
- SPIDER PLANT.** A splendid honey plant, as beautiful as it is curious, as the flowers resemble giant spiders. H.A. 4 to 5 ft. 05
- STATICE, Mixed.** Fine for winter bouquets. H.P. 1 ft. 05
- STEVIA.** The leaves are largely used in bouquets on account of their delightful fragrance. Flowers flesh-white, star shaped, and borne in large heads. G.P. 2 ft. 05
- STOCKS.** For bedding, borders, pot culture or bouquets. To secure early flowers, start seed in window-boxes or under glass in March or April, and transplant to the open ground the middle of May. H.H.A. 1 1/2 to 2 ft.
- Stocks, Dwarf German Ten-Weeks.** This is Pkt. one of the choicest strains and saved from the finest double varieties only. **White, Bright Red, Canary-Yellow, Rose, Light Blue, Violet, Carmine.** Each, \$0 10
- Giant Abundance.** Fine spikes of large carmine-rose flowers. 10
- Dwarf German, Ten-Weeks.** Mixed. 10
- Finest Mixed for Open Ground.** 05
- Cut-and-Come-Again.** Profuse and perpetual blooming. Double white. 10
- Winter, or Brompton Biennial, Mixed.** 10
- STOKESIA.** Cornflower Aster. Large flowers, resembling semi-double Asters. H.P. 2 ft.
- Cyanea, Blue, White.** Each, 10
- SUNFLOWER.** Helianthus. Stately decorative plants, with large heads of golden yellow flowers. H.A.
- Cucumerifolius, Orion.** A very handsome variety, with petals twisted. 3 ft. 05
- Cucumerifolius.** Covered with small, single flowers, of bright orange color. 3 ft. 05
- Double Chrysanthemum-flowered.** Beautiful, golden yellow flowers. 6 ft. 05
- Dwarf Perkeo.** The flowers on extra-long stems are 3 to 5 inches across, bright yellow with dark centers. 2 to 3 ft. 10
- Globosus fistulosus.** Immense flowers, 10 to 15 inches across; very double. 4 ft. Oz. 25 cts. 05
- Large Single Russian.** The old-fashioned Sunflower. 5 to 8 ft. Oz. 10 cts. 05
- Perennial Sorts, Mixed.** 05
- SWAINSONIA, Finest Mixed.** Excellent greenhouse plant of easy culture; thrives best in sandy, peaty soil; sweet-pea-like flowers in sprays. G.P. 2 ft. 10
- SWEET ROCKET (Hesperis).** Showy spikes of fragrant flowers. H.P. 2 to 3 ft.
- White, Purple, Mixed.** Each, 05
- SWEET WILLIAM (Dianthus barbatus).** Old-fashioned plants; produce large heads of beautifully colored, sweet-scented flowers in great abundance. H.B. 18 in.
- Single White, Crimson, Pink Beauty.** Each, 05
- Single Mixed.** All colors. 1/2 oz. 15 cts. 05
- Double White, Crimson, Rose.** Each, 10
- Double Mixed.** All colors. 1/2 oz. 40 cts. 10
- Dwarf Double Mixed.** 10



Salpiglossis, Emperor

SWEET PEAS

CULTURE. Drill in rows 5 inches deep; cover about 2 inches deep. As vines grow, gradually fill trench with soil, and thin to 5 inches apart. For early flowers, sow in beginning of November, preferably in a dry situation, 6 or 8 inches deep, giving them level culture. Spring sowings may be made just as soon as ground can be prepared. H.A. 5 to 7 ft.

SEPARATE VARIETIES OF SPENCER SWEET PEAS



Noll's Spencer Sweet Peas

The following list is made up of the most attractive sorts which are sure to give satisfaction.

Asta Ohn. Lavender, tinted mauve. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Aurora. Orange, rose stripe. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Beatrice. Mingling of blush, lemon, and buff; wings pure white. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Black Knight. Shining deep maroon, waved. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Blanche Ferry. Bright rose, wings white flushed pink. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Countess Spencer. A lovely shade of pale pink, darker toward the edges. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Dainty. White, edged pale rose. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Etta Dyke. Pure white, waved. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Florence Morse. White with pink edge. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Geo. Herbert. Bright rosy carmine. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

King Edward. Rich carmine - scarlet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Margaret Madison. Light lavender or azure-blue. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Mrs. Charles Mander. Dark mauve. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Mrs. Routzahn. Apricot, suffused with pink, deepening toward the edges. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Othello. Rich deep maroon, waved. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Queen Victoria. Deep primrose, flushed rose. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Senator. Claret or wine colored, striped and flaked on a light heliotrope ground. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

Tennant. Purplish mauve, waved. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

White Spencer. Pure white, extra-large waved flowers. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.

NOLL'S SUPERB MIXTURE OF SPENCER SWEET PEAS

This mixture contains all the choice sorts of Spencer types. All colors are well represented. The flowers are large and bold, crumpled and waved, three to four on a stem. Very valuable for cutting. This mixture is exceptionally fine and every customer should plant some, as it will surely please. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

GRANDIFLORA TYPE OF SWEET PEAS

- Agnes Eckford.** Very light pink. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Aurora.** White ground, striped orange-salmon. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Black Knight.** Deep maroon, self-colored. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Blanche Burpee.** Superb; pure white; immense size. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Blanche Ferry.** Standard bright rose-pink, wings creamy white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Countess of Radnor.** Lovely lavender. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Dainty.** White, edged pink. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Dorothy Eckford.** Pure white, large flowers. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Emily Henderson.** Splendid, pure white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Flora Norton.** Beautiful, rich lavender. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Helen Pierce.** Mottled blue on white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Henry Eckford.** Orange-salmon. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Katherine Tracy.** Soft rosy pink, lighter at edges. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- King Edward VII.** Bright crimson, self-colored. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Mrs. Collier.** Primrose. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Mrs. Walter Wright.** Rose-purple. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Navy Blue.** Bluish purple standard, violet wings. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Othello.** Deep maroon, self-colored. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Prince of Wales.** Rose-crimson. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Rose du Barri.** Crimson and orange. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.
- Salopian.** Rich dark crimson. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

NOLL'S SUPERB MIXTURE OF LARGE-FLOWERING SORTS

This mixture is produced from named Grandiflora types. The colors are well graded, giving a large variety of color. We believe there is no better mixture on the market and we are sure it will please the most critical. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 90 cts.

- TORENIA Fournieri.** Beautiful plants with sky-blue, purple-spotted, yellow-throated flowers. T.A. 10 in. \$0 20
- TROLLIUS, Mixed.** Free-flowering, buttercup-like flowers. H.P. $1\frac{1}{2}$ to 2 ft. 10
- THUNBERGIA.** Black-Eyed Susan. Very ornamental climbers. H.H.A. 5 ft.
- White.** Black eye. 05
- Orange.** Black eye. 05
- Fine Mixed.** All colors. 05
- TRITOMA.** Red-Hot Poker, or Torch Flower. Showy spikes of bloom in various shades of yellow and scarlet. H.H.P. 05
- Uvaria grandiflora.** 05
- UNICORN PLANT.** Curious-shaped pods, which when young are used as pickles. H.A. 18 in. 05
- VALERIANA.** Hardy Heliotrope. A fine border plant, with fragrant flowers. H.B. 3 ft. Mixed colors. 05
- VERBENA.** Single plants will carpet a bed 3 to 4 feet in diameter, with neat foliage and scores of fine flower-umbels. Excellent for beds, borders, mounds, vases, or window-boxes. H.A. 18 in.
- Giant cærulea.** Pink, White, Scarlet. Each, 10
- Crimson, Oculata.** Each, 10
- Giant Mixed.** $\frac{1}{4}$ oz. 40 cts., 10
- Choice Mixed.** All colors. $\frac{1}{4}$ oz. 25 cts., 05

VERBASCUM Pannosum. Stately and decorative plants with large white, woolly leaves and tall spikes of sulphur-yellow flowers. H.P. 4 to 5 ft.

VINCA. Madagascar Periwinkle, or Old Maid. Ornamental and free-flowering. T.P. 6 to 8 in.

White, Rose, or Mixed Each, \$0 10

VIOLA. Violet. H.P. Renowned for their beauty and fragrance.

Sweet-scented. Blue, White Each, 10

VIRGINIAN STOCK. An early summer-flowering garden annual. $1\frac{1}{2}$ ft.

Mixed Colors 05

WALLFLOWER. Favorite, sweet-scented flowers, of many fine colors; largely used for spring bedding. T.P. 18 in.

Double Mixed. Double German varieties. 10

Single Mixed 05

Paris Single Annual, Mixed. Blooms the first year from seed. 3 ft. 10

WILD CUCUMBER VINE. Thickly dotted all over with pretty, white, fragrant flowers. H.A. 15 to 30 ft. 05

$\frac{1}{2}$ oz. 15 cts., oz. 25 cts. 05

WISTARIA. Bears fragrant drooping panicles of lilac-blue or silvery white, pea-shaped flowers. Mixed colors. H.P. Climber. 15 to 20 ft. 10

ZEA japonica, quadricolor perfecta. Japanese Maize. The leaves are broad, colored yellow, green, and rose, with dark red stripes. H.A. 3 to 4 ft. 10

ZINNIA. Youth and Old Age. The plants come easily to blooming size from seed, and should be transplanted at least 8 inches apart. Bloom the entire season. H.A. 1 to 2 ft.

Tall Double Varieties, Scarlet, White,

Golden Yellow, and Rose Each, 05

Tall Double Mixed $\frac{1}{4}$ oz. 15 cts., 05

Grandiflora robusta plenissima. A mixture of the largest sorts. $\frac{1}{4}$ oz. 40 cts., 10

Zinnia, Dwarf Double Sorts. More compact and neater than the taller varieties. 8 to 12 in.

White, Rose, Golden Yellow, Purple,

Scarlet Each, 05

Dwarf Double Mixed $\frac{1}{4}$ oz. 20 cts., 05

Curled and Crested. Petals are twirled and twisted in graceful form. Mixed. $\frac{1}{4}$ oz. 25c... 10



Zinnia grandiflora

NOLL'S COMPLETE FLOWER-GARDEN

Contains a mixture of flower seeds that is complete for any purpose and is in great demand for edging carriage drives, large borders, shrubbery, or woodland. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Summer-Flowering Bulbs, Roots, Etc.

At single rates we deliver free of postage. At dozen prices parcel-post expense must be added to remittance. See inside front cover

AMARYLLIS, Vittata Hybrids. These are grown especially for us and contain a remarkable range of colors from self pure white to darkest crimson, or flaked and striped. These are easily grown. 40 cts. each, \$4 per doz.

Johnsoni. Bermuda Spice Lily. Large bulbs. 30 cts. each, \$3 per doz.

Formosissima. Jacobean Lily. 15 cts. each, \$1.50 per doz.

BEGONIAS, Tuberous-Rooted. These do best in a shady position. The soil should be rich, which serves to make them more profuse in blooming.

Single-flowering. Scarlet, Pink, Orange, and White. 10 cts. each, 25 cts. for 3, \$1 per doz., postpaid.

Double-flowering. Scarlet, Pink, White, and Orange. 15 cts. each, 40 cts. for 3, \$1.50 per doz., postpaid.

CALADIUM esculentum. Elephant's Ear. An effective plant for beds. Of easy culture; should be planted in good, rich soil, with an abundance of rich compost, and where it can obtain plenty of water.

Extra-Large Bulbs. 25 cts. each, \$2.50 per doz.

First-Size Bulbs. 20 cts. each, \$2 per doz.

CINNAMON VINE. A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. Leaves are heart-shaped, bright, glossy green; growth is very rapid, often running 25 to 40 feet in a season. Perfectly hardy. 2-year-old roots. 10 cts. each, \$1 per doz.

DIELYTRA, or DICENTRA spectabilis. Bleeding-Heart. A very popular, old-fashioned plant, bearing heart-shaped flowers of a beautiful rose-and-white combination. The flowers are borne on long, pendulous stems and the effect is very pretty. 15 cts. each, \$1.50 per doz.

HYACINTHUS candicans. Summer-flowering Hyacinth. Blooms in the early spring. Flower-spike 3 to 5 feet high, bearing 20 to 30 pure white, bell-shaped flowers. Half-hardy. 6 cts. each, 60 cts. per doz.

LILY-OF-THE-VALLEY. Produces small, white bell-shaped flowers, which are delightfully fragrant. The foliage is also very pretty. For massing in

Lily-of-the-Valley, continued

borders or beds it cannot be surpassed. Strong clumps., 30 cts. each, \$3 per doz. (at purchaser's expense).

MADEIRA, or MIGNONETTE VINE. A beautiful and popular vine, covering a large space in a short time. Fleshy, heart-shaped leaves of a light green, and numerous racemes of feathery white flowers of excellent fragrance. 5 cts. each, 50 cts. per doz.

LILIUM auratum. The Golden-rayed Lily of Japan. The most beautiful of all Lilies. Flowers white, dotted crimson, with a clear, golden band running through the center of each petal; very fragrant. 20 cts. each, \$2 per doz.

Speciosum album. Pure white, with greenish band through the center of each petal. 25 cts. each, \$2.50 per doz.

Speciosum rubrum. A most satisfactory sort. Flowers white, with deep, rosy crimson band on each petal, and deeper-colored spots between. 20 cts. each, \$2 per doz.

Melpomene. A grand variety. Flowers rich blood-crimson, heavily spotted. 25c. each, \$2.50 per doz.

PEONIES. These flowering roots are becoming more popular every year, owing to their great range of color and magnificent, showy flowers. There have been rapid strides made in color production the last few years and the shades we offer contain many of the best sorts and colors that specialists list under separate names and colors. They increase in floral beauty year after year and when once planted last a lifetime. Plant in rich and somewhat moist soil.

Double White Shades. 25 cts. each, \$2.50 per doz.

Double Pink Shades. 25 cts. each, \$2.50 per doz.

Double Red Shades. 25 cts. each, \$2.50 per doz.

"Old-fashioned Piney" (*Pæonia officinalis rubra*).

Deep red color. Very double and fragrant. 20 cts. each, \$2 per doz.

TUBEROSES, Excelsior Double Dwarf Pearl. Long spikes, 20 to 30 inches high, with large, double, pure white flowers of exquisite fragrance.

Extra Size. 5 cts. each, 50 cts. per doz., \$3 per 100.

First Size. 4c. each, 40c. per doz., \$2.50 per 100.

The Peony Manual. C. S. Harrison. Third edition. Enlarged, improved and up to date. Divided into ten chapters, embracing propagation, raising from seeds, diseases, preparing the ground, planting, forcing, shipping, etc., with complete list of varieties. Postpaid, 25 cents.

CANNAS

CULTURE. Cannas respond readily to liberal treatment. The soil in which they delight is a good loam mixed with a generous supply of well-rotted stable manure. Plant roots May 15, when the weather has settled, and the soil has some warmth. Do not set the roots too deep; the "eye" should be just above the ground.

GIANT ORCHID-FLOWERING VARIETIES

Buttercup. The most magnificent, pure canary-yellow; green foliage. 3 ft. 15 cts. each, \$1.50 per doz.

King Humbert. Pure orange-scarlet flowers produced in great trusses; handsome leathery bronze foliage. 4 ft. 10 cts. each, \$1 per doz.

Mont Blanc, Improved. Blossoms are truly gigantic and make a magnificent display. They are produced freely all the season, almost snow-white in color, showing to great advantage above the vigorous green foliage. 3½ ft. 15 cts. each, \$1.50 per doz.

New York. Petals 5 to 7 inches across, of an intense carmine; deep green foliage, heavily marked and veined with a rich plum-color. 6 ft. 15 cts. each, \$1.50 per doz.

William Saunders. Bright scarlet flowers, produced on branching stems about 4 feet high; bronze leaves. 15 cts. each, \$1.50 per doz.

Wyoming. Foliage bronzy purple; flowers large, orange-colored. 7 ft. 10 cts. each, \$1 per doz.

CHOICE BEDDING VARIETIES

Black Warrior. A very dark, rich shade of maroon. Green foliage. 3 to 3½ ft. 10 cts. each, \$1 per doz.

Comte de Bouchard. Golden yellow flower with numerous red spots. Green foliage. 4½ ft. 10 cts. each, \$1 per doz.

David Harum. Vermilion-scarlet, mottled deep red; bronze-colored leaves. 3 ft. 15c. each, \$1.50 per doz.

Gladioflora. Crimson, changing to carmine-rose, edged gold; very handsome. Green foliage. 3½ ft. 15 cts. each, \$1.50 per doz.

Hungaria. Attractive rose-pink, bordered cream. Green foliage. 3½ ft. 15 cts. each, \$1.50 per doz.

Meteor. Extra-large, bright crimson flowers. Green foliage. 5 ft. 15 cts. each, \$1.50 per doz.

Mrs. Alfred Conard. The grandest pink variety today. Flowers are of immense size. Green foliage. 4 ft. 15 cts. each, \$1.50 per doz.

Pillar of Fire. Bright crimson-scarlet flowers borne in erect spikes like blazing torches. Green foliage. 6 to 7 ft. 10 cts. each, \$1 per doz.

CHOICE BEDDING CANNAS, continued

Queen Charlotte. Pomegranate-red, each petal elegantly bordered with bright golden yellow. Green foliage. 10 cts. each, \$1 per doz.

Richard Wallace. The largest and purest yellow grown. Large-flowered. Green foliage. 4 ft. 10 cts. each, \$1 per doz.

Rosea gigantea. Soft rose to salmon pink, petals 2½ inches across. Green foliage. 4 ft. 20 cts. each, \$2 per doz.

Venus. Soft rosy pink with a pretty mottled border of creamy yellow. 4 ft. 15 cts. each, \$1.50 per doz.

Louisiana. Glossy green foliage and vivid scarlet flowers, often measuring 7 inches across. 7 ft. 15 cts. each, \$1.50 per doz.

POT-GROWN CANNA PLANTS

Ready May 20

We recommend the use of growing Canna plants. We offer varieties named below in extra-fine, strong stock. For descriptions refer to the general list.

	Each	Doz.
Buttercup	\$0 20	\$2 00
Gladioflora	20	2 00
King Humbert	20	2 00
William Saunders	25	2 50
Rosea gigantea	20	2 00
Queen Charlotte	15	1 50
Richard Wallace	20	2 00
Venus	20	2 00

GLADIOLI

These have been most popular for many years and deservedly so. They are of the easiest culture, with a range of color known to no other garden bulb, useful for massing, bordering or shrubbery work, for cutting unexcelled, and they cost practically nothing. Any ordinary garden soil suits Gladioli, and with successive plantings, flowers can be had from July until frost. If Gladioli are wanted by mail, add 10 cts. per dozen for postage.

America. A very beautiful soft pink, the coloring and texture resembling those of the orchid. 5 cts. each, 50 cts. per doz., \$3 per 100.

Augusta. A lovely and useful variety; pure white, with blue anthers. 4 cts. each, 40 cts. per doz., \$2.50 per 100.

Baron Hulot. Rich violet-blue. Flowers are of good substance. 5 cts. each, 50 cts. per doz., \$3.50 per 100.

Brenchleyensis. Vermilion-scarlet. One of the best varieties for showy masses. 4 cts. each, 30 cts. per doz., \$2 per 100.

Canary Bird. The best light yellow. 12 cts. each, \$1.25 per doz., \$9 per 100.

Ceres. White, flaked with dark rose. A very attractive sort. 5 cts. each, 50 cts. per doz., \$3.50 per 100.

Columbia. Color orange-scarlet, blotched with bluish purple. This variety makes a very effective show. 10 cts. each, \$1 per doz., \$7 per 100.

Doctor Sellow. Deep rosy crimson; petals and throat rayed white. 10 cts. each, \$1 per doz., \$7 per 100.

Fireflare. Bright salmon-rose, perfect flowers. 25 cts. each, \$2.50 per doz., \$18 per 100.

Isaac Buchanan. A very fine yellow sort. 10 cts. each, \$1 per doz., \$7 per 100.

Jessie. Velvety red. Good for cutting, having long spikes well filled. 7c. each, 75c. per doz., \$5 per 100.

Kunderdi Glory. Every petal is exquisitely ruffled and fluted. Delicate cream-pink, with crimson stripe. 15 cts. each, \$1.50 per doz., \$10 per 100.

Little Blush. Extra-fine blush; compact spike. 10 cts. each, \$1 per doz., \$7 per 100.

Mayor. Purple-rose. 10 cts. each, \$1 per doz., \$7 per 100.

Mrs. Francis King. Light scarlet in color. Very vigorous grower and free bloomer. 4 cts. each, 40 cts. per doz., \$2.50 per 100.

Princeps. Large amaryllis-like flowers, of a beautiful red color, having broad, white blotches across the lower petals. 6 cts. each, 65 cts. per doz., \$4.50 per 100.

Peace. Large flowers; pure white, feathered pale lilac. 12 cts. each, \$1.25 per doz., \$9 per 100.

Salem. A fine salmon-pink. Large, open flowers. 8 cts. each, 80 cts. per doz., \$6 per 100.

Scribe. Tinted white, striped freely with carmine. 10 cts. each, \$1 per doz., \$7 per 100.

Sunlight. Light crimson, with a yellow throat. 7 cts. each, 75 cts. per doz., \$5 per 100.

Superb. Pink striped, flaked salmon-pink. 7 cts. each, 75 cts. per doz., \$5 per 100.

Taonic. Pink; lower petals blotched crimson. 8 cts. each, 80 cts. per doz., \$6 per 100.

William Falconer. Enormous flowers of light pink, with liberal foliage. 20c. each, \$2 per doz., \$15 per 100.

GLADIOLI IN MIXTURE

Choicest "Rainbow" Mixture. Contains an even proportion of the different shades, blends, and colors, as well as a liberal percentage of the magnificent large-flowering Childsii Hybrids. 30 cts. per doz., \$2 per 100, \$16 per 1,000.

Popular Mixture. Embraces a wide range of colors and produces very fine spikes of good substance. 25 cts. per doz., \$1.50 per 100, \$12 per 1,000.



Gladiolus, Ceres

DAHLIAS

These are becoming more in evidence each season. Their ease of culture and adaptability to practically all soils make their success assured. The Cactus varieties have been much improved in recent years, and some of the most fantastic shapes, combined with the entrancing colors, which are numberless, make these ornaments anywhere. For those who prefer the old-fashioned sorts, the Decorative and Show varieties will satisfy the demands of the most fastidious. In our selection in the different classes will be found all that is best in color, shape, size, and bearing in Dahlias. It should be remembered that the largest roots do not always furnish the best results. Sometimes small tubers are most successful. Give Dahlias a trial, to secure a good showing at small expense.



Cactus Dahlia

CACTUS VARIETIES

- Alpha.** White, spotted, and flushed pink and crimson. The combination of colors makes this very distinct. 15 cts. each, \$1.50 per doz.
- Country Girl.** Large, free-flowering variety. Base of petals golden yellow, suffused with salmon-rose, deepest at points. 15 cts. each, \$1.50 per doz.
- Countess of Lonsdale.** Very pleasing shade of salmon-pink and amber. Profuse bloomer and a very good sort for cutting. 15 cts. each, \$1.50 per doz.
- Floradora.** The best dark crimson for cutting, as the flowers are borne on long stems and last a long while. 15 cts. each, \$1.50 per doz.
- J. H. Jackson.** One of the largest flowered of the dark-colored sorts. The blossoms are immense in size; deep, rich, velvety maroon. 15c. each, \$1.50 per doz.
- Kriemhilde.** Beautiful, delicate pink, shaded deep rose-pink, with an exquisite white center, giving a delightful contrast. 15 cts. each, \$1.50 per doz.
- Mrs. De Luca.** Golden yellow, tipped orange; very free, one of the best. 20 cts. each, \$2 per doz.
- Mrs. H. J. Jones.** Deep crimson with a broad band of white running down the center of each petal. 20 cts. each, \$2 per doz.
- Prince of Yellows.** Very large, with broad petals, which are fringed at the tips; color a rich canary-yellow. 15 cts. each, \$1.50 per doz.
- Rev. T. W. Jamieson.** Very large flowers; long incurved petals, mauve-pink, based with salmon. Strong grower, long stems; an excellent keeper when cut. A recent introduction and most worthy of a place in every garden. 20 cts. each, \$2 per doz.
- Standard Bearer.** Brightest scarlet. Plant of dwarf branching habit; early. 15 cts. each, \$1.50 per doz.
- T. A. Havemeyer.** Color clear yellow at the base, deepening to bronze; very upright in growth. 15 cts. each, \$1.50 per doz.
- Uncle Tom.** The best black Cactus. Color jet-black, passing to maroon with a glistening satiny sheen. 20 cts. each, \$2 per doz.
- Winsome.** Large flowers of pure spotless white, with twisted incurved petals. Borne on long stems; erect. 15 cts. each, \$1.50 per doz.

DECORATIVE VARIETIES

- Delice.** The finest pink decorative Dahlia yet introduced. The color is a soft rosy pink, suffused with lavender-pink; perfect in form and habit, producing flowers on long stems. This variety should appeal to all lovers of flowers. 15 cts. each, \$1.50 per doz.
- Grand Duke Alexis.** A magnificent flower of finest form and largest size. The petals roll up so that the edges overlap each other. The color is pure white, tinged delicate pink. 15 cts. each, \$1.50 per doz.
- Lyndhurst.** Bright scarlet. Very valuable for cutting. 15 cts. each, \$1.50 per doz.
- Nymphæa.** Light shrimp-pink, with lighter center. 15 cts. each, \$1.50 per doz.
- Sylvia.** Fine form, full at center, which is pure white, shading to soft pink on the outer petals. 15 cts. each, \$1.50 per doz.
- Wm. Agnew.** Best red ever introduced for cutting or decorating. Color intense glistening scarlet-crimson. 15 cts. each, \$1.50 per doz.

SHOW VARIETIES

- Arabella.** Color pale primrose, shaded and tipped old-rose and lavender. Valuable for cutting. 20 cts. each, \$2 per doz.
- Carol.** Pure white, delicately tinted with soft pink. 20 cts. each, \$2 per doz.
- Jamaica.** Deep rich purple, shaded maroon. 20 cts. each, \$2 per doz.
- Lemon Beauty.** Full round form. Color soft lemon-yellow. 20 cts. each, \$2 per doz.
- Miss Dodd.** Very large, pure sulphur-yellow. 20 cts. each, \$2 per doz.
- Storm-King.** The finest of all white show Dahlias. Early, and profuse. 20 cts. each, \$2 per doz.

FANCY VARIETIES

- Harlequin.** Brilliant crimson, striped and tipped pure white; dwarf. 15 cts. each, \$1.50 per doz.
- Mrs. Stancombe.** Straw, suffused amber, penciled red, mottled and tipped pinkish white. 15 cts. each, \$1.50 per doz.
- Penelope.** White, flaked lavender. One of the best. 15 cts. each, \$1.50 per doz.

POMPON VARIETIES

- Alewine.** White, flushed pink. 15c. each, \$1.50 per doz.
- Fairy Queen.** Sulphur-yellow, edged with deep peach. 10 cts. each, \$1 per doz.
- La Petite Jean.** Dark rich crimson; very fine. 15 cts. each, \$1.50 per doz.
- Snowclad.** Finest white Pompon to date. 15 cts. each, \$1.50 per doz.
- Splendens imbricata.** Very bright red. Fine form. 20 cts. each, \$2 per doz.

MIXED SHADES OF DOUBLES

White, Pink, Red, and Yellow shades in mixture. 10 cts. each, \$1 per doz., \$7 per 100.

SINGLE VARIETIES

- Alba superba.** Large, glistening, pure white.
- Ami Barillet.** Scarlet-crimson; dark bronze foliage.
- Big Chief.** Cherry-red, margined rich velvety maroon.
- St. George.** Large, pure yellow.
- Single sorts, 15 cts. each, \$1.50 per doz.

The Dahlia Manual. W. W. Wilmore. The author presents in this treatise such information as is most commonly needed in successful Dahlia culture, the result of his twenty years' experience as commercial grower and originator of the new varieties. Postpaid, 25 cents.

Noll's Selected Roses

We have great confidence in offering these Roses, grown specially for our trade. Included are some of more recent introduction, which after severe trials have proven successful. The old standard sorts it is unnecessary to recommend, as their worthiness has stood the test of many years.

A second blooming can be had from the varieties marked * by cutting out the old flower-stems, which causes a fresh growth and the plant will set new buds, making it more of an everblooming Rose.

No plants give more satisfactory returns than Roses. No garden is complete without them. Roses are shipped by express at customer's expense.

HYBRID PERPETUAL ROSES

- ***Alfred Colomb.** Bright crimson.
- ***American Beauty.** Rich, rosy crimson.
- Arthur R. Goodwin.** Coppery orange. 30 cts. each, \$3.25 per doz.
- Baron de Bonstetten.** Dark, velvety crimson.
- ***Captain Christy.** Delicate flesh-color, rosy center.
- ***Captain Hayward.** Deep crimson; free bloomer.
- Frau Karl Druschki.** The finest white Rose.
- ***General Jacqueminot.** Brilliant crimson-scarlet.
- ***Hugh Dickson.** Brilliant crimson, shaded scarlet.
- King George V.** Crimson.
- Magna Charta.** Bright rose; very large.
- ***Marshall P. Wilder.** Bright carmine.
- Mrs. John Laing.** Soft pink; abundant bloomer.
- ***Mrs. R. G. Sharman-Crawford.** Very fine, deep rose.
- ***Paul Neyron.** Deep rose; flowers very large.
- Soleil d'Or.** Deep yellow, shaded orange.
- Ulrich Brunner.** Cherry-crimson; large size.
- Willowmere.** Coral-red. 35 cts. each, \$3.50 per doz.

Prices, 25 cts. each, \$2.50 per doz., except where noted

HYBRID TEA ROSES

- Clothilde Soupert.** White, center rosy; very full. 30 cts. each, \$3.25 per doz.
- Dean Hole.** Choice pink. 30 cts. each, \$3.25 per doz.
- Duchess of Wellington.** Saffron-yellow. 30 cts. each, \$3.25 per doz.
- Franz Deegan.** Yellow; a strong grower. 35 cts. each, \$3.50 per doz.
- General-Superior Arnold Janssen.** Vermilion-red. 30 cts. each, \$3.25 per doz.
- George C. Waud.** Orange, shaded red. 30 cts. each, \$3.25 per doz.
- ***Gruss an Teplitz.** Scarlet-crimson; free flowering.
- James Coey.** Golden yellow. Fine. 50 cts. each, \$5 per doz.
- Jonkheer J. L. Mock.** Carmine, changing to imperial pink. 30 cts. each, \$3.25 per doz.
- Lady Hillingdon.** Canary-yellow. 30 cts. each, \$3.25 per doz.
- Kaiserin Augusta Victoria.** White. 30 cts. each, \$3.25 per doz.
- Killarney.** Pink, shaded white; very fragrant.
- La France.** Bright pink; very large; excellent form.
- Liberty.** Brilliant velvety crimson.
- Madame Edouard Herriot.** Superb coral-red, shaded yellow, passing to brown-red. 50 cts. each, \$5 per doz.
- Madame Caroline Testout.** Bright rose; fragrant.
- Madame Ravary.** Orange-yellow, well-formed flowers. 35 cts. each, \$3.50 per doz.
- Maman Cochet.** Pink; extra large. 35 cts. each, \$3.50 per doz.
- Mevrouw G. W. van Gelderen.** Color a soft, creamy pink; a strong grower; very early and free-flowering variety. 30 cts. each, \$3 per doz.
- Mrs. Aaron Ward.** Indian yellow. 35 cts. each, \$3.50 per doz.
- Mrs. Andrew Carnegie.** Lemon-white; long pointed bud. 50 cts. each, \$5 per doz.
- Mrs. F. W. Vanderbilt.** Deep orange; very free flowering. 50 cts. each, \$5 per doz.
- Mrs. G. Sawyer.** Soft pink. 40 cts. each, \$4 per doz.
- Molly Sharman-Crawford.** Pure white. 35 cts. each, \$3.50 per doz.
- Old-Gold.** Vivid reddish orange; mildew-proof foliage. 50 cts. each, \$5 per doz.

HYBRID TEA ROSES, continued

- ***Richmond.** Brilliant crimson. Extra fine.
- White Killarney.** Very fine, of excellent form. 35 cts. each, \$3.50 per doz.

Prices, 25 cts. each, \$2.50 per doz., except where noted

CLIMBING AND TRAILING ROSES

- ***Aviator Bleriot.** Saffron-yellow, with golden center.
- Crimson Rambler.** Crimson.
- ***Dorothy Perkins.** Soft pink.
- ***Dorothy Perkins, White.** A great bearer and very fragrant. 30 cts. each, \$3.25 per doz.
- Flower of Fairfield.** Everblooming Crimson Rambler. 35 cts. each, \$3.50 per doz.
- ***Tausendschoen.** Rosy carmine.

Prices, 25 cts. each, \$2.50 per doz., except where noted

BABY RAMBLER ROSES

- Annchen Muller.** Brilliant rose.
- Baby Abel Chatenay.** Carmine, soft rose; flowers in trusses. 50 cts. each, \$5 per doz.
- Baby Farben Konigin.** Bright light red; flowers in trusses. 50 cts. each, \$5 per doz.
- Catherine Zeimet.** White Baby Rambler.
- Madame Norbert Levavasseur.** Crimson.

Prices, 25 cts. each, \$2.50 per doz., except where noted

MOSS ROSES

Assorted Varieties. All the best kinds. 25 cts. each, \$2.50 per doz.



Maman Cochet Roses

Hardy Perennial Plants

Hardy Perennial Plants have many claims, both practical and artistic, and of late years they have been largely cultivated. They are found in the villager's yard, as well as in the millionaire's garden, and by a judicious selection, a succession of flowers may be had from April to September. To this end, we have noted the months of flowering as a guide. One of the telling points is their easiness of culture. Planted in autumn and given a light protection the first year, they stand all the rigors of successive winters, flowering each season. They should be planted where they are intended to be grown permanently. Those of dwarf habit should be placed in front, and the taller sorts, such as hollyhock, tritoma, foxglove, etc., in the rear. We know of no class of plants which afford such a wealth of flower, for such a small outlay, as Hardy Perennial Plants. They combine all shades of color, and are of the easiest culture; in fact, "they grow themselves," and no garden, no matter how modest, is complete without them. By procuring a few assorted plants, an "old-fashioned garden" can be had for a small financial cost.

	Height	Color	Time of bloom
Aconitum Napellus. Monkshood. 20 cts. each, \$2 per doz.	3 ft.	Blue and White	July-August
Achillea, "The Pearl"	2 ft.	White	July-August
Althæa. Hollyhock. 20 cts. each.	5-6 ft.	All Colors	July-August
Alyssum saxatile. Golden Tuft.	1 ft.	Yellow	April-May
Anemone japonica alba. Windflower	2 ft.	White	September-October
Aquilegia. Columbine.	2 ft.	All Colors	May-June
Asclepias tuberosa. Butterfly Flower.	2 ft.	Orange	July-August
Aster novæ-angliæ. New England Aster	4 ft.	Purple	August-September
Bocconia cordata. Plume Poppy.	6 ft.	Creamy White	July-September
Boltonia asteroides.	4 ft.	White	August-October
latinquama.	4 ft.	Pink	August-October
Campanula. Canterbury Bells.	2 ft.	All Colors	June-August
Centaurea orientalis. Knapweed.	3 ft.	Yellow	July
Cerastium tomentosum. Snow-in-Summer	6 in.	White	May-June
Conoclinium. Mist Flower.	2 ft.	Blue	August-October
Delphinium. Hardy Larkspur.			
chinense.	2 ft.	White and Blue	June-October
album.	2 ft.	White	June-October
formosum.	2 ft.	Dark Blue	June-October
celestinum.	2 ft.	Sky-Blue	June-October
Dianthus. Hardy Pinks.			
barbatus. Sweet William.	1½ ft.	All Colors	May-June
Dicentra, or Dielytra. Bleeding-Heart.	1½ ft.	Rose	April-June
Digitalis gloxiniflora. Foxglove.	3 ft.	All Colors	June-August
Epimedium alpinum. Barrenwort.	9 in.	Crimson and Yellow	May-June
Ferns, Hardy. A large assortment			
Funkia undulata variegata.	1½ ft.	Variegated Foliage	July
Gaillardia grandiflora. Blanket Flower.	1½ ft.	Orange	June-November
Eulalia gracillima. Ribbon Grass. 25 cts. each, \$2.50 per doz.	5 ft.	Variegated	
Gypsophila paniculata. Baby's Breath	2 ft.	White	July-August
Helenium autumnale. Sneezeweed	4 ft.	Yellow	August-September
Helianthus. Hardy Sunflower. 20 cts. each, \$2 per doz.	6 ft.	Assorted	August-October
Heliopsis Pitcherianus. False Sunflower.	4 ft.	Golden Yellow	July-September
Hemerocallis flava. Yellow Day Lily.	3 ft.	Yellow	June-August
Hibiscus, Crimson Eye. Mallow.	5 ft.	White and Crimson	August-September
Iberis sempervirens. Hardy Candytuft.	10 in.	White	April-June
Iris germanica. German Iris.	3 ft.	Assorted	May-June
Kaempferi. Japanese Iris. 20 cts. each	3 ft.	Assorted	June-July
Lavandula vera. Sweet Lavender.	1½ ft.	Yellow	July-September
Liatis pycnostachya. Gay Feather.	5 ft.	Purple	July-August
Lobelia cardinalis. Cardinal Flower.	3 ft.	Scarlet	August-October
Lychnis chalcidonica.	2 ft.	Scarlet	June-July
Monarda didyma. Horse Mint.	3 ft.	Red	July-August
Myosotis palustris. Forget-me-not	10 in.	Blue	May-September
Oenothera fruticosa. Evening Primrose	2 ft.	Yellow	June-July
Pæonies, Double Chinese. 25 cts. each.	2½ ft.	Assorted	June-July
Papaver orientale. Oriental Poppy	2 ft.	Scarlet	June-July
Pentstemon barbatus. Beard Tongue.	4 ft.	Scarlet	July-August
Phlox decussata. Hardy Phlox	2½ ft.	Assorted	June-October
Platycodon. Balloon Flower.			
grandiflorum.	2 ft.	Blue	June-October
album.	2 ft.	White	July-October
Primula veris. English Cowslip.	9 in.	Yellow	April-June
vulgaris. English Primrose.	9 in.	Yellow	April-June
Pyrethrum hybridum. Single Hardy. 25 cts. each, \$2.50 per doz.	2 ft.	Assorted	May-June
Rudbeckia laciniata fl.-pl. Golden Glow.	1 ft.	Yellow	July-September
Sedum Acre. Golden Moss.	3 in.	Yellow	May-July
spectabile. Stonecrop.	1½ ft.	Pink	May-July
Spiræa Vanhouttei.	2 ft.	White	June-July
Stokesia cyanea. Stokes' Aster.	3½ ft.	Blue	July-October
Tritoma Pfitzeri. Red-hot Poker.	4 ft.	Orange	July-September
Veronica longifolia. 25 cts. each.	2 ft.	Blue	August-September
Wallflower.	1 ft.	Bronze-yellow	June-October
Yucca filamentosa. Adam's Needle. 25 cts. each.	5 ft.	White	July-August

PRICE of any of the above, except where noted, 15 CTS. EACH, \$1.50 PER DOZ.

Small Fruits



GRAPES

	Each	Doz.	100
2-yr...	\$0 25	\$2 50	\$18 00
3-yr...	35	3 50	25 00
4-yr...	50	5 00	
Extra.	75	7 50	

Black Grapes

Champion. Bunches medium to large; compact; berries large; skin thick and firm; sweet and juicy; hardy and very productive.

Concord. Fine black variety; splendid flavor; reliable and productive; one of the most popular varieties.

Wildcr. Bunch very large and compact; berry large and tender; juicy and sweet. One of the best blacks.

Worden. Bunch large, compact and handsome; berries large.

Red and Reddish Purple Grapes

Agawam. Large bunches; red berries; tender and juicy. Good bearer. Ripens early.

Catawba. Bunches large and loose; berries large, coppery red, becoming purple when well ripened.

Delaware. Bunches small and compact; berries small, light red, sugary, and vinous.

Woodruff Red. Bunches and berries very large; of excellent quality; good keeper.

Wyoming. Similar to Delaware, but larger; sweet and very aromatic. Hardy and productive.

White Grapes

Elmira. Bunches and berries medium size; vigorous. Hardy and productive. Valuable for wine.

Empire State. Bunch large; very medium to large; flesh tender, sweet and juicy.

Niagara. Bunch medium to large; berry large, roundish, uniform; skin thin, with a thin, whitish bloom; flesh slightly pulpy; tender and sweet.

CURRENTS

Should hold a very important position in every garden, as they are of easy culture and may be devoted to many uses.

2-yr., 20 cts. each, \$2 per doz.; extra-large plants, 30 cts. each, \$3 per doz.

Black Champion. Bunch and berry very large, of excellent quality; prolific and strong.

Black Naples. Very much esteemed for jellies.

Cherry. One of the largest red Currants; bunches short.

North Star. Red; very long clusters; fine quality.

Red Dutch. A well-known variety; immense bunches; very productive.

White Dutch. An excellent white variety; medium size; very sweet.

GOOSEBERRIES

It is best to plant in rich ground. Clean out old wood in spring and trim to keep bushes in shape.

25 cts. each, \$2.50 per doz., except where noted

Downing. Large; whitish green; soft and juicy; vigorous and prolific.

Industry. Large; roundish oval; dark red; of fine flavor and very productive. 35 cts. each, \$3.50 per doz.

Keepsake. Very large; straw-colored; of excellent quality; very early. 35 cts. each, \$3.50 per doz.

GOOSEBERRIES, continued

Red Jacket. Large; red; good flavor; hardy and prolific.

Smith's Improved. Large; oval; light green; flesh firm and sweet.

RASPBERRIES

Plant in rows about 5 feet apart and 3 feet between the plants. They like good rich soil, with plenty of manure. Early in the spring cut out the old wood which bore the last crop of fruit.

15 cts. each, \$1.50 per doz.

Brandywine. Large; bright red; very firm; subacid; hardy and productive.

Cuthbert. Queen of the Market. Red, very large and firm; sweet and luscious.

Golden Queen. Large; amber color; firm; fine quality; remarkably productive.

Marlboro. Large; bright red; rich flavor; core small.

Blackcap Raspberries

75 cts. per doz., \$5.50 per 100; extra size, \$1.50 per doz., \$10 per 100

Black Diamond. Very large; ripens early; very sweet and fine flavor; pulpy; few seeds.

Cumberland. Very large, glossy berries; firm, juicy and sweet.

Gregg. One of the most valuable and abundant; large; good quality; vigorous.

Kansas. Very large; firm, and of excellent quality.

BLACKBERRIES

75 cts. per doz., \$5.50 per 100; extra size, \$1.50 per doz., \$10 per 100

Agawam. Medium size; jet-black and sweet; fine, early variety.

Eldorado. Medium size; jet-black; sweet and rich; hardy and very productive.

Erie. Large and of good quality; early.

Kittatinny. Large, oval; black; sweet; excellent; an old favorite.

Snyder. Medium size; sweet and melting; very hardy and enormously productive.

Taylor. Immense clusters; ripens evenly; becomes sweet as soon as black; hardy; ripens early in July.

DEWBERRIES

Lucretia. A trailing variety of the blackberry; ripens between the raspberry and the blackberry; fruit large and handsome. \$1 per doz., \$7 per 100.

Logan Raspberry-Blackberry. Fruit same size as large blackberry; same form and shape; color dark bright red; mild, pleasant flavor; excellent for table and canning. 25 cts. each, \$2.50 per doz., \$18 per 100.

POT-GROWN STRAWBERRY PLANTS

Pot-grown plants set out this summer will produce a full crop of fruit next June. We will have these plants ready on and after the latter part of July, and they can be supplied as late as October. It is better, however, to procure the plants in August or September, as earlier plantings develop larger and more vigorous plants, and will produce a greater crop of fruit next year.

The varieties we handle are selected from experience of many years. List and prices on application. Orders will be delivered one week after we receive them, as we do not carry Strawberry plants in stock at our store. Orders are filled direct at the nursery.

No plants, shrubs, or any other nursery stock will be delivered C.O.D., unless remittance of 50 per cent is made on account, to guarantee acceptance.

Garden Tools, Implements and Requisites

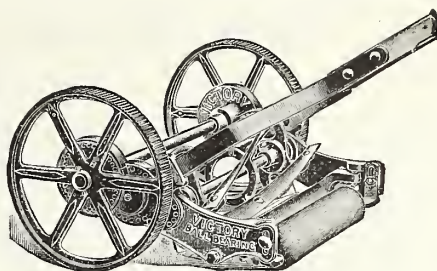
Asbestos Torch. Destroys caterpillar nests. (P.P. 1 lb.).	\$0 40
Asparagus Buncher. Adjustable knife-guide and length regulator. (P.P. 5 lbs.).	2 00
Asparagus Knife. Straight edge or V-notched. (P.P. 1 lb.).	40
Axe Mattock. Long or short cutter, 85 cts.; handled.	1 05
Bamboo Stakes. 6 ft. long, doz. 20 cts.; 100.	1 25
Brush Axe. For shrubbery, handled.	1 15
Corn Hook. (P.P. 1 lb.) Serrated edge.	40
Corn Knife, Eureka. Forged Steel. (P.P. 3 lbs.).	40
Corn Planter, Hand Automatic.	1 60
Corn Sheller, Red Chief. Clampson barrel. (P.P. 6 lbs.).	2 25
Dahlia Poles. Per doz.: 4-ft. \$1.25, 5-ft. \$1.50, 6-ft. \$1.75; per 100: 4-ft. \$8, 5-ft. \$10, 6-ft. \$12	00
Dibble. (P.P. 1 lb. each). All iron	40
Wood handle, iron point. Small, 40 cts.; large.	45
Forks. Hay. Long handle, 2 or 3 tine.	85
Manure. Long handle, heavy, 4 tine, \$1.10; 5 tine.	1 50
Manure. D-handle, 4 tine, heavy, 27 in., \$1.25; 30 in.	1 70
Manure. D-handle, 27- or 30-in. 5 tine, heavy.	1 60
Spading. Short D-handle, heavy, 4 tine \$1.25, 5 tine.	1 40
Spading. English, short D-handle, 4 tine.	1 70
Fruit Picker. Galvanized wire, no handle. (P.P. 2 lbs.).	35
Garden Line. Braided hemp, 50 ft. 50 cts., 100 ft.	90
Garden Line Reel, Columbia. With line. (P.P. 3 lbs.).	75
Wrought iron, large size. (P.P. 3 lbs.).	1 00
Garden Tool, Alca 5 in 1. (P.P. 1 lb.).	25
Garden Tool Set. Lady's or child's.	1 00
Glazing Points, Peerless No. 2. 1,000 in box. (P.P. 1 lb.).	60
Glazing Putty, Mastica. For 300 lin. ft., 1 gal.	1 85
Glazing Putty Machine. For applying Mastica.	1 60
Grafting Wax. 1/4 lb. 10 cts., 1/2 lb. 15 cts., 1 lb. (P.P. 2 lbs.).	30
Grape Bags, String-tied, to cover bunches. 100 75c., 1,000	7 00
Grass Catcher. For lawn mower.	1 00
Grass Clipper, Victor. For edging and trimming.	2 50
Grass Hook, American. Removable blade. (P.P. 1 lb.).	25
English. Riveted back. (P.P. 2 lbs.).	50
Hoes, Draw or Field. Solid shank; 3, 4 or 5 in.	45
Following sizes: 6, 7 or 8 in.	50
Draw or Field. Steel. Solid socket shank 6 in.	60
Following sizes: 6 1/2, 7 or 8 in.	65
Draw or Field. Like a half-worn hoe. 7 by 3 in.	60
Celery. Triangle shape, short handle. (P.P. 1 lb.).	35
English Push. 3 in. 45 cts. (P.P. 1 lb.), 4 in. 50 cts., 5 in. 55 cts., 6 in. 60 cts., 7 in. 65 cts., 8 in. 70 cts., 9 in. 75 cts., 10 in. 85 cts., 12 in. \$1.10 (P.P. 2 lbs. each). Handles 20 cts. extra.	
Grub. Medium size. Best grade, \$1; handled.	1 25
Half-Moon Harpers. 3 in. or 4 in.	60
Horse-Radish. 5 in. draw, 18 in. handle. (P.P. 2 lbs.).	50
Prong Hoes (Potato or Manure Hooks). 4 flat tine.	85
Warren. Heart-shaped. 35 cts., 70 cts., 80 cts., and	90
Hose, Rubber Garden. Noll's Special. 3/4 in. Finest quality, durable and non-kinkable. In any length up to 500 ft. (Couplings extra.) Per ft.	18
Noll's Standard XXX. 3/4 in. Excellent quality. Per 50-ft. length, coupled complete.	6 00
Hose Requisites. Clamps, 5 cts. each, 50 cts. per doz.	
Couplings, brass, 3/4 in. 15 cts. per pair. Cooper's Menders. 3/4 in. 7 cts. each, 75 cts. per doz.; 1 in. 10 cts. each, \$1 per doz. Reels, all iron, for 100 ft. 3/4 in. hose, \$3 each. Rubber Washers, 10 cts. per doz.	
Hose Nozzles. Florist's Brass Spray. 3/4 in. 3 in. face.	50
Gem. 3/4 in. Brass, spray or stream. (P.P. 1 lb.).	55
Hotbed Mats. 76 by 76 in. burlap. \$31 per doz.; Each, 40 by 76 in. burlap. \$19.50 per doz.	2 75
Hotbed Sash. 3 by 6 ft., glazed, painted.	4 00
Knives, English Budding No. 3 or No. 5. Postpaid.	1 50
American Pruning. Single blade. Postpaid, 65 cts.	60
American Pruning and Budding. Postpaid.	1 00
Labels, Wooden, Pot and Garden. Painted. 100, 1,000	
4 in. (mail weight per 1,000, 4 lbs.).	\$0 15
4 1/2 in. (mail weight per 1,000, 4 lbs.).	20 1 05
5 in. (mail weight per 1,000, 4 lbs.).	25 1 25
6 in. (mail weight per 1,000, 5 lbs.).	30 1 45
8 in. (mail weight per 100, 2 lbs.).	50 4 00
10 in. (mail weight per 100, 3 lbs.).	60 4 75
12 in. (mail weight per 100, 3 lbs.).	75 6 00
Tree. 3 1/2 in., copper wired. 100, 25c.; 1,000 (P.P. 4 lbs.).	1 75
Lawn or Turf Edgers, Half-Moon. Handled.	55
Lawn Rollers. Water or sand ballast. Seams electric welded, not riveted.	
No. Diam. Lgth. Sec. empty water sand prepaid	
WB3 14 in. 20 in. 1 60 lbs. 200 lbs. 300 lbs.	\$9 00
WB5 18 in. 24 in. 1 75 lbs. 300 lbs. 500 lbs.	11 00
WB7 24 in. 24 in. 1 125 lbs. 500 lbs. 800 lbs.	13 00
If handle weight is desired add \$1.50 to prices.	
Lawn Sprinklers. Hotchkiss No. 65. (P.P. 4 lbs.).	2 00
Cyclone, 3-arm. (P.P. 3 lbs.).	1 50
Fountain. Brass ring. (P.P. 1 lb.).	.75 cts. and 1 00
Shower No. 3. On stand. (P.P. 2 lbs.).	2 00
Water Witch. On stand. (P.P. 2 lbs.).	80

Lawn Boots, Horse. Links or lawn. Set of 4.	\$11 00
Mole Traps, Olmstead. Improved.	1 50
Reddick. Easily set, sure catch.	1 00
Nozzles, Auto-Pop for Auto-Spray No. 1. (P.P. 1 lb.).	1 35
Bordeaux. Brass. (Postage, 5 cts.).	85
Non-Clog Atomic. Brass. (Postage, 5 cts.).	1 05
Plant Sprinklers. Rubber bulb, curved or straight neck. (P.P. 1 lb.) 65 cts. and 75 cts.; Scollay's, 90 cts. and 1 05	
Plant Stakes. Round, tapering. Best made. Per doz.: 1 1/2 ft. 30 cts., 2 ft. 35 cts., 2 1/2 ft. 50 cts., 3 ft. 60 cts., 3 1/2 ft. 70 cts., 4 ft. 80 cts., 5 ft. \$1.25, 6 ft. \$1.65. Per 100: 1 1/2 ft. \$1.75, 2 ft. \$2, 2 1/2 ft. \$2.90, 3 ft. \$4.50, 3 1/2 ft. \$5.25, 4 ft. \$6, 5 ft. \$9, 6 ft. \$12.	
Powder Bellows, Woodason's. Single cone. \$1.50 and 2 75	
Powder Duster or Sifter. Tin; for dusting vines.	60
Pruners, Waters' Tree. Cuts 3/4 in. limbs. 6 ft. 85 cts., 8 ft. \$1, 10 ft. \$1.15, 12 ft. \$1.25. Extra blades.	1 05
Putty Bulb, Scollay's Rubber. (P.P. 1 lb.).	25
Raffia. Natural color, for tying. Lb. 25 cts., 5 lbs.	1 10
Rakes. Steel Garden. Best quality. 12 teeth 60 cts., 14 teeth 65 cts., 16 teeth 75 cts., 18 teeth.	85
Steel Gravel. 16 teeth 75 cts., 18 teeth.	85
Steel Bow. Best rake made. 24 teeth.	60
Wood Garden. 12 teeth.	65
Wood Hay. 3 bows. 10 teeth 40 cts., 12 teeth 45 cts., 14 teeth.	50
Saws, Pruning. Single or double edge. 16 in. 80 cts., 18 in. 90 cts., 20 in.	1 00
Little Giant Saw-Pruner Combined. (P.P. 4 lbs.).	1 90
Scissors, Grape Thinning. English, best steel. 8 in.	1 25
Flower Gathering. English; holds stem after cutting.	1 25
Scythes. Little Giant. 26 in. to 36 in. blade.	1 00
Bush, Little Giant. 14 in. to 20 in. blade.	1 00
English. Riveted back. 30 in. \$1.25, 32 in. \$1.50, 34 in. 1 60	
Snaths. Patent key fastening.	1 00
Stones, Talacre. Each 35 cts. (P.P. 3 lbs.); Emery.	12
Shears, Border. 9 in. \$3. With wheel, 9 in.	3 50
Hedge. With notch. 8 in. \$1.75, 9 in. \$2, 10 in.	2 25
Hedge, Ladies'. With notch. 5 1/2 in.	1 25
Lawn. 9 in. with 2 wheels.	3 50
Lopping. American. 2-ft. handles \$1.75, 3 1/2 ft.	2 10
Orchard King. Will cut 2 1/2 in. limb.	3 60
Pruning, California Pattern. 9 in. (P.P. 1 lb.), good quality, 50 cts.; best solid steel.	1 25
Pruning, Ladies'. 6 in., best solid steel. (P.P. 1 lb.)	1 00
Pruning. With sliding flat spring, 9 in.	1 50
Sheep or Grass. (P.P. 1 lb.) 50 cts., 75 cts., \$1, and 1 25	
Shovels, Round Point. Steel, short D- or long handle. 1 00	
Square Point. Steel short D-handle \$1, \$1.15 and...	1 45
Sod Perforator. 8 1/2 by 8 1/2 in., 5-ft. handle.	3 00
Sod Tamper. Wood handle. 8 by 8 in., 17 lbs. \$1; 11 by 11 in., 20 lbs.	1 25
Spades. Steel. Solid shank, short D-handle.	1 10
Steel. Socket shank, short D-handle.	1 50
Steel. Long handle.	1 10
Thermometers, Hotbed. \$1.25. Best grade.	2 00
Tree Scrapers. Triangle blade, 60 cts.; wire brush.	70
Trowels. 6 in. (P.P. 1 lb.), concave shank, 10 cts., 15 cts., and 25 cts.; solid shank, 45 cts.; best solid steel.	65
Marvel. Steel blade and handle in one piece.	30
Transplanting, or "Slim Jim." (P.P. 1 lb.).	15
Tubs. Cedar Plant, N. Y. Style.	
Top Bottom Depth Each	
No. 1 12 in. 9 3/4 in. 10 3/4 in.	\$1 50
No. 2 13 in. 10 3/4 in. 12 3/4 in.	2 00
No. 3 14 1/2 in. 12 3/4 in. 14 3/4 in.	2 35
No. 3 1/2 16 1/2 in. 14 3/4 in. 15 3/4 in.	2 75
No. 4 19 1/2 in. 17 1/2 in. 16 3/4 in.	3 50
No. 5 22 1/2 in. 20 3/4 in. 18 3/4 in.	4 75
Vegetable Scoop, Wire. Best quality.	1 50
Water Barrel and Truck. Complete. 2 1/2 in. wood wheels \$19; 2 1/2 in. steel wheels.	15 00
Either of above without barrel, \$4 less.	
Watering Pots, Ordinary. Galvanized, strong and durable. 8-qt. 80 cts., 12-qt. 90 cts., 16-qt. \$1.25, 25-qt. 1 50	
Witherspoon's. Galvanized. Brass fittings with two copper-faced roses, one fine and one coarse. 6-qt. \$2.10, 8-qt. \$2.30, 10-qt. \$2.60, 12-qt.	2 95
French Pattern. Oval shape, long spout. 6-qt. \$2.50, 8-qt. \$2.75, 10-qt. \$3, 12-qt.	3 25
Weeders, Eureka. 3 prong steel, short handle. (P.P. 2 lbs.) 35 cts.; long handle.	45
Excelsior. 5 prong, iron, short handle. (P.P. 1 lb.).	10
Hazeltine. Steel crook blade, short handle. (P.P. 1 lb.).	25
Lifting or Cleveland.	75
Magic. 3 prong; Style A, short handle, 10 cts.; B, 18 in. handle, 15 cts.; 4 prongs, C, short handle, 20 cts.; D and E, short handle and hoe, 35 cts.; G, 4-ft. handle, 60 cts.; H, 4-ft. handle and hoe.	70
Norcross Cultivator. Midget. 9-in. handle 30 cts.; with 4-ft. handle, 3 prong, 60 cts.; 5-prong.	85
Wheelbarrows. \$3.75, \$4.50, \$5, and.	6 00

Parcel-Post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See inside front cover. PRICES ABOVE SUBJECT TO CHANGE WITHOUT NOTICE

LAWN MOWERS

The Victory (Ball-bearing). This Mower is our leader, and we are proud to have it head our list. To its manufacture there is as much care given as to the manufacture of a watch, and the product is the best value we have in Lawn Mowers. It is so light and easy running that a child can push it over the lawn with ease. It has 10-inch wheels, 5½-inch reel carrying 4 cutting blades of oil-tempered, crucible steel. Lower blade is of same material. Is made with compound, triple gear, which permits of the maximum strength with the minimum weight. Gears are entirely enclosed; no dirt or cut grass can get into pinions and clog them up. Prices (not prepaid), 14-in. cut, \$10; 16-in. cut, \$11; 18-in. cut, \$12; 20-in. cut, \$13; 22-in. cut, \$14; 24-in. cut, \$15.



The Flyer (Ball-bearing). An excellent Mower carefully made and finished, at a popular price. Revolving blades and the lower blade are of oil-tempered, crucible steel. Two-gear internal driver and pinion type, driving gear having extended spokes and rim. Open wheel and frame; 9-inch wheels, 5½-inch reel and 4 blades. Prices (not prepaid), 14-in. cut, \$7; 16-in. cut, \$7.75; 18-in. cut, \$8.50; 20-in. cut, \$9.50.

The Orange (Ball-bearing). A reliable Lawn Mower with 10-inch wheels, 5½-inch standard reel and 4 standard oil-tempered, crucible steel blades, 1 inch wide. Also crucible steel lower bar. Open wheel and frame, with ratchet in the pinions, the pinions revolving on the shaft when the mower is rolled backward. Prices (not prepaid), 14-in. cut, \$10; 16-in. cut, \$10.75; 18-in. cut, \$11.50; 20-in. cut, \$12.25; 22-in. cut, \$13.25; 24-in. cut, \$14.25.

The Spider (Ball-bearing). There are more Spider Lawn Mowers sold in this country than any other make of the same class. Similar to "The Orange," but with 9-inch wheels. A high-grade mower at a medium price. Prices (not prepaid), 14-in. cut, \$8; 16-in. cut, \$8.75; 18-in. cut, \$9.50; 20-in. cut, \$10.50.

The Gleaner Lawn Trimmer (Ball-bearing). An excellent Trimmer, strong, light, and powerful. Only ½ inch of metal between the ends of the blades and any obstruction which is to be cut around. Has a 9-inch wheel, 5½-inch reel, and 4 blades of tempered, crucible steel. Price, 8-inch cut (not prepaid), \$5.

The Golf Wonder. Acknowledged best for putting-greens. Send for descriptive booklet. Prices (not prepaid), 16-in. cut, \$18; 18-in. cut, \$20; 20-in. cut, \$22.

HIGH-GRADE RELIABLE FERTILIZERS

Noll's Perfection Lawn Dressing. War Brand. Apply during spring and fall months. Helps the lawn to withstand the hot weather spells. Use 100 pounds to 4,000 square feet. 5 lbs. 25 cts. (P.P. 6 lbs.), 10 lbs. 40 cts. (P.P. 11 lbs.), 25 lbs. 85 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton \$42.

Noll's Complete Garden Fertilizer. War Brand. For general use, garden vegetables, fruit vines, trees, etc. Will increase your yield and better crops will result. Use 100 pounds to 4,000 square feet. 5 lbs. 25c. (P.P. 6 lbs.), 10 lbs. 40c. (P.P. 11 lbs.), 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton \$42.

Bone Meal (Pure Ground). Slower to decompose, but more lasting, giving up nitrogen to the soil. No danger of burning the plants if used carefully. For top dressing, ½ to 1 ton per acre. For garden crops, ¼ to 1 ton per acre broadcasted and harrowed in. For rose-beds or plants, one part to about fifty of soil. 5-lb. pkg. 25 cts. (P.P. 6 lbs.), 10-lb. pkg. 40 cts. (P.P. 11 lbs.), 25-lb. bag 85 cts., 50-lb. bag \$1.50, 100-lb. bag \$2.50, 500 lbs. \$11.25, ton \$42.

Canada Unleached Hardwood Ashes. Excellent top dressing for lawns and fruits, driving away insects as well as fertilizing. Use 1,000 pounds to 1 ton to the acre. 5-lb. pkg. 25 cts. (P.P. 6 lbs.), 10 lbs. 35 cts. (P.P. 11 lbs.), 25 lbs. 60 cts., 50 lbs. \$1, 100 lbs. \$1.75, 500 lbs. \$7.50, ton \$24.

Prepared Alphano Humus. This ideal soil enricher is prepared from a rich deposit of decayed vegetable and animal matter and supplied with all the legume and other beneficial soil bacteria. Eighty per cent of the moisture is driven out. Finely pulverized, odorless, and entirely free from weed seeds. It is rich in ammonia, phosphoric acid, potash and lime. For lawns it is applied as a top dressing from ½ to 1 inch in depth, and should then be worked in. On golf-links it is used in a similar way. For flower- and vegetable-garden apply ½ to 2 inches deep, and fork it well into the soil, or apply it in trenches the same as you would well-rotted manure. For pot plants mix about one-third of the Alphano with two-thirds of regular potting soil. For top dressing lawns an application of 100 pounds every 800 square feet will be effective. For distribution in large quantities, say

½ inch thick, 30 tons is required per acre. 5 lbs. 25 cts., 10 lbs. 40 cts., 50 lbs. 90 cts., 100-lb. bag \$1.35, 500 lbs. \$6.25, 1,000 lbs. \$11, ton \$20.

Natural Humus. Rich in nitrogen, moisture retaining, and odorless. Free from weed seed. For top dressing lawns, and for indoor use in conservatories, flower-boxes and pots. When renovating old lawns, leveling up, and top dressing new lawns, use one part Humus to two or three parts of good soil. 5 lbs. 15 cts., 10 lbs. 25 cts., 50 lbs. 60 cts., 100-lb. bag \$1.10, 500 lbs. \$4.75, 1,000 lbs. \$8.75, ton \$16.

Atkinson's Prepared Humus. A combined Fertilizer and Humus preparation. Cream of the earth top dressing; will produce a fine lawn or putting-green quickly and cheaply. Send for literature and instructions for use. Apply it now; the results obtained will surprise you. Saves time and labor. 5 lbs. 35c. (P.P. 6 lbs.), 25 lbs. \$1.25, 50 lbs. \$2, 100 lbs. \$3, 300 lbs. \$7.50, ton \$50 (f.o.b. Bogota, N. J.).

Lime (Hydrated Agricultural). Used to correct acid soils, also to hold sandy soil together, thus making it retain more moisture. Lime also breaks up clay soils, making them easy to till. Use 1,200 pounds to 1 ton to the acre. 50 lbs. 70 cts., 100 lbs. \$1.25, ton \$17. Price on car lots on application.

Nitrate of Soda. Valuable for the nitrogen it contains. Is an excellent stimulant, and is used in addition to other fertilizers. Is quick in action, hastening crops to maturity. Applied after plants are above the ground by dusting or by trenching, use 100 to 500 pounds per acre. As a liquid, 5 pounds to 80 gallons of water. (Not mailable.) 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5, 200 lbs. \$9.50, ton (2,000 lbs.) \$90.

Sheep-Manure. Popular for general fertilizing purposes. This is a high-grade manure, dried and pulverized, giving lasting results. Can be applied by diluting in water or mixing with soil. Used for garden crops, 1 to 2 tons per acre, half before plowing and balance before harrowing. For top dressing grass, 1 ton per acre, applying in fall or early spring. Excellent for house plants as well as outdoor plants. 5 lbs. 25 cts. (P.P. 6 lbs.), 10 lbs. 40 cts. (P.P. 11 lbs.), 25 lbs. 80 cts., 50 lbs. \$1.25, 100 lbs. \$2.15, ton \$32.

Prices of above subject to change without notice. For special brands, see page 64.

INSECTICIDES AND FUNGICIDES

Prices subject to change without notice

Ant-i-cide. Effective against ants and other insects that infest lawns. Harmless to lawns. Sprinkle 1 pound to 200 square feet. Lb. 25 cts. (P.P. 2 lbs.), 5 lbs. \$1 (P.P. 6 lbs.), 25 lbs. \$4.50 (P.P. 33 lbs.).

Aphine. A powerful insecticide in a form readily soluble in water, applied as a spray, wash, or dipping solution. For destroying plant lice, aphids, red spider, and all other greenhouse and outdoor insects. Use from 2 to 4 tablespoonfuls to 1 quart of water, according to directions. (Not mailable.) $\frac{1}{4}$ pt. 25 cts., $\frac{1}{2}$ pt. 40 cts., pt. 65 cts., qt. \$1, gal. \$2.50.

Aphis Punk. A paper thoroughly saturated with nicotine, for fumigating greenhouses. 2 to 3 sheets for 100 feet of house. Fine for aphids, white and green fly, red spider. Box of 12 sheets 60 cts. (P.P. 1 lb.), 144 sheets \$6.50 (P.P. 8 lbs.).

Arsenate of Lead (Paste Form). For spraying trees and shrubs against attacks of leaf-biting insects of all kinds. It adheres well to the foliage, does not readily wash off by rain, and does not injure tender foliage. Remains well suspended in solution, so that an even distribution is obtained. Being white in color it shows just where it has been applied. Is rapidly replacing paris green. Use from 3 to 5 pounds to 50 gallons of water, according to directions. (Not mailable.) Lb. 25 cts., 2 lbs. 45 cts., 5 lbs. \$1, 10 lbs. \$1.80, 25 lbs. \$4, 50 lbs. \$7.50, 100 lbs. \$13.

Arsenate of Lead (Dry Powder). This form extensively used. Is easily suspended in water. 1 pound equals 2 pounds of Arsenate of Lead in paste form. Use 1 pound to 50 gallons of water. (Not mailable.) Lb. 40 cts., 5 lbs. \$1.75, 10 lbs. \$3, 25 lbs. \$6.75.

Bordeaux Mixture (Paste Form). A fungicide for mildew, blight, rust, scab, and all fungous diseases. 1 gallon makes 50 gallons of spray. (Not mailable.) Pt. 30 cts., qt. 45 cts., gal. \$1.10, 5 gals. \$4.75.

Bordeaux Mixture (Dry Form). As above, but used at the rate of 1 pound to 5 gallons of water, as it is in powder form containing no water. (Not mailable.) Lb. 35 cts., 5 lbs. \$1.50.

Bordeaux and Paris Green Mixture. A substitute for paris green. (Not mailable.) Lb. 50 cts.

Bordo-Lead. An excellent combination of 50 per cent Arsenate of Lead Paste and 50 per cent Bordeaux Mixture Paste. Has the virtues of best gelatinous Bordeaux (fungicide), combined with the virtues of the highest grade Arsenate of Lead (insecticide), giving a combination which will in one operation kill the insects and prevent blight, mildew, and rust. It sticks like paint and remains on the foliage, insuring results. (Not mailable.) Lb. 30 cts., 5 lbs. \$1.25, 10 lbs. \$2.25.

Borowax. A complete protection against tree borers if applied as directed. Protects the tree at the point where the eggs are deposited, thus rendering it immune for years. Use $\frac{1}{2}$ to 1 pint to each tree, according to size. (Not mailable.) Qt. 35 cts., 2 qts. 60 cts., gal. \$1, 6 gals. \$5, $\frac{1}{2}$ bbl. (26 gals.) \$20, bbl. (52 gals.) \$35.

Bug Death. A non-poisonous insect-killing powder in high favor, rapidly displacing paris green for cabbage and tomato worms, cucumber and potato bugs. Acts as a fertilizer as well as an insecticide. In powder form, applied with bellows or powder gun, 12 pounds per acre. Lb. 20 cts. (P.P. 2 lbs.), 3 lbs. 45 cts. (P.P. 4 lbs.), 5 lbs. 60 cts. (P.P. 6 lbs.), $12\frac{1}{2}$ lbs. \$1.25. (P.P. 13 lbs.), 100 lbs. \$8. Special Shaker, 35 cts. each.

Copper Solution (Ammoniated). A concentrated, liquid fungicide, used for rust, mildew, and leaf blight. Dilute 1 part to 100 parts water, and spray lightly. This old standard is still popular and effective. (Not mailable.) Qt. 75 cts., gal. \$2.25.

Cut-Worm Killer (Sterlingworth). Coarse powder. Sprinkle near plants affected. Has an enticing odor that the worms prefer to vegetation. The dead cutworms "tell" the story. 1 pound will cover 100 feet of plants in rows or 175 plants in hills. Lb. 25 cts. (P.P. 2 lbs.), 5 lbs. \$1 (P.P. 6 lbs.), 25 lbs. \$4 (P.P. 33 lbs.), 100 lbs. \$12.

Fir Tree Oil Soap. A popular insecticide, preventing as well as freeing plants from mealy bug, scale, red spider, thrip, etc. Is a soft soap. Dissolved in warm water, and use as spray or wash. $\frac{1}{2}$ lb. 30 cts. (P.P. 1 lb.), 2 lbs. 90 cts. (P.P. 3 lbs.).

Fish Oil Soap (Whale Oil Soap). For mild forms of scale. An excellent summer spray. For San José scale and all soft-shelled insects. Makes a good wash for trees and plants where bark is affected by insects; also for smearing on trunks of trees as a preventive against worms. Dissolve in water according to directions. Lb. 20 cts. (P.P. 2 lbs.), 5 lbs. 80 cts. (P.P. 6 lbs.), 25 lbs. and over 13 cts. per lb.

Fish Oil Soap and Tobacco (Sterlingworth). Has valuable features of Fish Oil Soap as above, with additional values of tobacco. Directions on box. Lb. 20 cts. (P.P. 2 lbs.), 5 lbs. 70 cts. (P.P. 6 lbs.), 10 lbs. \$1.25 (P.P. 11 lbs.).

He-Bo. Used as a substitute for hellebore. In powder form; dusted on vegetation it will be found very satisfactory against rose slugs, currant and cabbage worms. Less poisonous and milder than paris green. $\frac{1}{2}$ lb. 15 cts. (P.P. 1 lb.), 1 lb. 25 cts. (P.P. 2 lbs.).

Herbicide Weed Killer. A concentrated liquid to be diluted with water, 1 gallon making from 20 to 40 gallons of liquid, 1 gallon of which will cover about 25 square feet of ground. For tennis-courts, walks, drives, etc. Kills all plant growth. (Not mailable.) Qt. 50 cts., $\frac{1}{2}$ gal. 80 cts., gal. \$1.50, 2 gals. \$2.75, 5 gals. \$5.50, 25 gals. \$21.50, 50 gals. \$35.

Kerosene Miscible Oil. Better than kerosene emulsion. Mixes easier, and contains 80 per cent kerosene. Use for all soft-bodied insects. Dilute one part oil to sixteen parts water; for tender plants one part to 36 parts water. (Not mailable.) Pt. 20 cts., qt. 35 cts., gal. 85 cts.

Lawn Compound (Sterlingworth). A powder; sprinkled on the lawn kills coarse-leaved weeds, as dandelion, plantain, etc., without injuring the lawn. 5 lbs. 60 cts. (P.P. 6 lbs.), 10 lbs. \$1 (P.P. 11 lbs.).

Lime-Sulphur Solution. Extensively used for all scale insects on trees and shrubs, also fungous diseases of the bark, as treatment can be made in the winter. May be used during December, January, and February. Dilute 1 gallon to 11 gallons of water. Earlier or later than this, dilute 1 gallon to 30 or 40 gallons of water. Apply with a spray pump while the trees are dormant. (Not mailable.) Qt. 25 cts., $\frac{1}{2}$ gal. 45 cts., gal. 75 cts., 5 gals. \$2.50, 50-gal. bbl. \$12.50.

Nico-Fume Tobacco Paper. A paper strongly saturated with pure nicotine. Comes in strips which, when suspended and lighted in the greenhouse or conservatory, affords the simplest method of fumigating for the destruction of aphids, etc. One sheet enough for 2,000 cubic feet. Postpaid, 24 sheets \$1, 144 sheets \$4.50, 288 sheets \$8.50.

Nico-Fume Liquid. Used same as Nicoticide. (Not mailable.) Express paid, $\frac{1}{4}$ lb. 60 cts., lb. \$2, 4 lbs. \$7, 8 lbs. \$13.50. (Weights about 8 lbs. to the gal.)

Nicoticide. An extract of tobacco, used in fumigation as a spray, or by placing a quantity in tin dish and evaporating by a spirit lamp placed underneath. Effectual for destroying insects in greenhouse, window-garden, or frame. (Not mailable.) 1-oz. bottle, 25 cts.; $\frac{1}{4}$ pt. 70 cts., $\frac{1}{2}$ pt. \$1.25, pt. \$2.50, qt. \$4.50, $\frac{1}{2}$ gal. \$8.25, gal. \$15. Lamps, 50 cts. each.

Parcel-post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See inside front cover.

INSECTICIDES AND FUNGICIDES

Prices subject to change without notice.

Nikoteen. Extract of tobacco, containing 30 per cent nicotine. To spray, use 1 part to 500 parts water; 1 tablespoonful to 1½ pints of water, when vaporized, will fumigate 600 square feet of floor space. (Not mailable.) 1¾ oz. bottle 40 cts., ½ lb. 85 cts., lb. \$1.50, 4 lbs. \$5, 8 lbs. \$10.

Paris Green. Poisonous, insoluble powder, for preventing destruction by vegetable bugs, worms, caterpillars, and slugs. Apply as powder; mix 1 part to 100 parts of flour; or in solution 1 pound in 200 to 300 gallons of water. (Not mailable.) ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Pyrox. A creamy paste. Mix 1 pound to 5 gallons of cold water. Safest all-round spray for killing leaf-eating insects. Also prevents blight and all fungous troubles without injury on potatoes, garden vegetables, rose-bushes, shrubbery, fruit trees, grape-vines, etc. (Not mailable.) Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.85, 25 lbs. \$4.50, 50 lbs. \$8, 100 lbs. \$15.

Rose Bug Exterminator (Readeana). Best insecticide for roses, chrysanthemums, carnations. Harmless to the most delicate flowers or foliage when diluted 1 in 20 to 60 parts of water and sprayed as directed on label. Does not leave a stain. (Not mailable.) 4-oz. bottle 25 cts., 8 ozs. 50 cts., qt. \$1.35, ½ gal. \$2.25, gal. \$4.

Scalecide. Best spray for San José scale, etc. Non-poisonous preparation of petroleum oil. Mix at the rate of 1 gallon to 20 gallons of cold water. Apply with sprayer. Will kill every scale that it reaches without injury to tree or fruit, if applied in late fall, winter or early spring, when foliage is off. (Not mailable.) Qt. 40 cts., gal. \$1, 5 gals. \$3.75, 10 gals. \$6.75, 50 gals. \$27.50.

Scale Destroyer. Effective oil remedy for San José scale, etc., and mixes readily with water. Spray while trees are dormant, 1 to 20 parts of water. Qt. 40 cts., gal. \$1, 5 gals. \$3.75.

Slug Shot. A non-poisonous powder, applied by dusting on the plants. Non-injurious to animals or fruit and vegetables treated. Effective remedy for potato bugs, beetles, slugs, cabbage worms, etc. Lb. 15 cts. (P.P. 2 lbs.), 5 lbs. 40 cts. (P.P. 6 lbs.), 10 lbs. 75 cts. (P.P. 11 lbs.), 25 lbs. \$1.75 (P.P. 26 lbs.), 125 lbs. \$8, per bbl. of 250 lbs. \$15.50.

Soft Coal Soot, Scotch. Prevents insect ravages and also acts as a stimulating fertilizer. Used in onion drill, radish beds, cabbage grounds, etc., it checks the attacks of grubs, cut-worms, etc. Supplied in 50-lb. bag \$2.25, 112-lb. bag \$4.25.

Sticky Tree Cord. A soft cord about ¾ inch in diameter, thoroughly saturated and coated with a black, sticky material; easily and quickly applied to trees by means of containing tube. Each tube contains 30 feet of cord, enough to band 10 trees 1 foot in diameter. Per tube 25 cts. (P.P. 2 lbs.)

Sulphur, Powdered. Effective against mildew. (Not mailable.) Lb. 10 cts., 5 lbs. 40 cts., 25 lbs. \$1.50.

Tobacco Dust (Fine). For fumigating, dusting, etc.; also a fertilizer and preventive against insects in the ground around roots of trees, etc. Lb. 10 cts. (P.P. 2 lbs.), 5 lbs. 35 cts. (P.P. 6 lbs.), 10 lbs. 60 cts. (P.P. 11 lbs.), 100-lb. bag \$3.

Tobacco Stems. For fumigating greenhouses and conservatories for the destruction of green and black aphids, etc. 100-lb. bale \$1.50, ton \$25.

Tree Tanglefoot. A sticky compound similar to that used on Tanglefoot Fly Paper. Especially adapted for protecting trees from attacks of climbing and creeping insects such as gypsy and brown-tail moths, canker worms, ants, etc. One application remains sticky 3 months and longer; works alike in rain, sun, winds, etc.; does not soften, run, or melt, yet it is elastic, expanding with the growth of the tree. Will not injure trees. One pound makes 9 to 10 lineal feet of band. 1 lb. 35 cts. (P.P. 2 lbs.), 3 lbs. \$1 (P.P. 5 lbs.), 10 lbs. \$3 (P.P. 14 lbs.), 25 lbs. \$6.75.

Weed Killer (Sterlingworth). For killing weeds in walks, drives, tennis-courts, etc., where no vegetation is wanted. Powder form, dissolve in water and sprinkle. 1 pound makes 10 gallons of solution. Lb. 50 cts. (P.P. 2 lbs.), 5 lbs. \$2 (P.P. 6 lbs.)

Worm Eradicator, Electric. For killing grubs, insects, and worms which destroy the roots of plants, flowers, and trees. Dilute from 1 to 2 ounces to 1 gallon of water and sprinkle. After one application the worms squirm to surface of ground where they die in a few seconds. When used as directed there is no danger to plant or tree. (Not mailable.) 4-oz. bottle 25 cts., 10 ozs. 50 cts., 24 ozs. \$1, 48 ozs. \$2, gal. \$4, 5 gals. \$17.50, 10 gals. \$34.

INOCULATING CULTURES

Mulford Cultures are used to treat or inoculate seeds or soil at the time of planting all legume crops. They are supplied for only such crops as alfalfa, all kinds of clovers, cowpeas, soja or soybeans, canada field peas, peanuts, vetch, sweet peas, garden peas, garden beans, and lima beans. When ordering please state for what crops wanted. Garden size (¼ acre), 50 cts., postpaid; 1-acre size, \$1.50, postpaid. By express, not prepaid, 5-acre size, \$5. Write for Mulford Culture Book; mailed free.

Farmogerm. Excellent, high-bred, nitrogen-fixing bacteria. Seed inoculated with Farmogerm will produce far better results. This is worth a trial. Supplied for all clovers, garden peas and beans, sweet peas and all other peas. In ordering, state what crop to be used for. ½ garden size, for ½ acre, 25 cts.; garden size, for ¼ acre, 50 cts.; 1-acre size \$1.50, 5-acre size \$5. Send for literature.

Try inoculating your Sweet Pea seed this year with either of the above excellent cultures. The result will prove to be worth the effort.

HOUSE FERTILIZERS

Sterlingworth Plant Tablets. Rids soil of insects. An odorless form of manure for indoor plants. Directions on package. Postpaid, 30 tablets 10 cts., 100 tablets 25 cts., 250 tablets 50 cts.

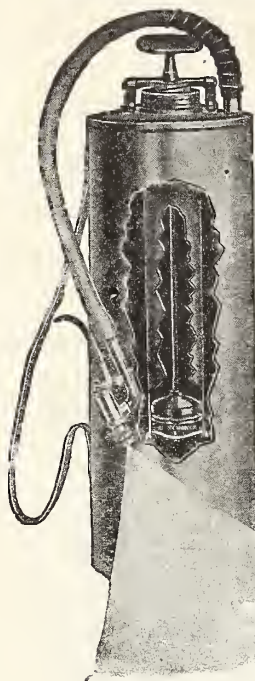
The Kirke System of fertilizing, etc., means the attachment to your garden or greenhouse hose of a cylinder containing a readily soluble high-grade fertilizer or insecticide cartridge. The flow of water through the feeder and hose gradually dissolves the cartridge and insures positive distribution of fertilizer or insecticide over lawn or plants. Clean, odorless, efficient, economical; the cartridge feeder is made of metal, nickel-plated, is easily attached and convenient. Write for descriptive folder.

	Mail Wt.	Each	½ doz.	Doz.
Kirke Cartridge Feeder.	1 lb. each	\$2.00		
Kirke Fertilizer Cartridges.....	7 lb. doz.	20	\$1 10	\$2 00
Kirke "Tobacco" Insecticide Cartridges.....	6 lb. doz.	30	1 60	3 00
Kirke Arsenate of Lead Insecticide Cartridges.....	7½ lb. doz.	40	2 25	4 00
Kirke Bordeaux Cartridges.....	5 lb. doz.	25	1 35	2 50
Kirke Sulphur Cartridges.....	6 lb. doz.	30	1 60	3 00

If by Parcel Post add postage, see inside front cover

NOLL'S RELIABLE SPRAYERS

The Auto Spray No. 1



This Sprayer is the standard of all compressed-air Sprayers and is in very great demand. It is probably the first real successful compressed-air Sprayer ever put on the market. No Sprayer is sold under a broader guarantee for efficiency and durability. The Auto Spray must please, and will accomplish all that any first-class Sprayer will, or the purchase price will be refunded. It is exceptionally strong and entirely practical for all limited uses, and is even used with great satisfaction in many large operations. No other compressed-air Sprayer will do such a variety of work and do it so well. It will successfully spray vines, potatoes, field crops, bushes, shrubbery and low trees; will whitewash the poultry house and handle insecticides, fungicides, disinfectants, sheep and cattle dip, cattle-fly oil, etc. Even large commercial orchard-owners use the Auto Spray No. 1 for small work. There is not a good feature in any other compressed-air Sprayer that is not to be found in the Auto Spray No. 1, and there are many improvements in the Auto Spray No. 1 which are not to be found in any other compressed-air Sprayer.

This Sprayer when properly charged contains three gallons of solution and about one gallon of compressed air. It is the strongest and simplest in its working parts of any compressed-air Sprayer. The tank construction is the strongest ever invented, having reinforced seams at top and bottom, all seams being locked, soldered, and riveted; and it is the only tank which absolutely does not require a safety valve. Tanks supplied in either heavy brass or galvanized iron. Two pumpings of about 15 strokes on the plunger will discharge the entire contents under high and constant pressure. After pumping, the operator has nothing to do but direct the spray, the air-pressure automatically forcing out the solution for a period of from 6 to 15 minutes, according to the nozzle opening. The pump is of large capacity, seamless brass, 2-inch diameter, insuring rapid pumping and a constant high pressure. The pump plunger can be removed and reinserted by simply drawing the leather cup into a sleeve.

Equipment. The Auto Spray No. 1 is regularly equipped with carrying strap; 2 feet of extra-fine quality $\frac{1}{2}$ -inch hose, which is wired at tank connection to prevent cracking; fine spray nozzle; solid stream cap and shut-off; and tank as selected and at prices below. This equipment is satisfactory for low work. For spraying higher trees, etc., order extension rod as below.

Dimensions. Auto Spray No. 1, diameter 7 inches; height 2 feet; capacity $3\frac{1}{2}$ gallons. Weight, empty, 7 pounds; loaded 39 pounds; shipping weight, 15 pounds.

NET PRICES OF AUTO SPRAY NO. 1 (Not prepaid.)

Auto Spray No. 1-A, brass tank with stop-cock.....	\$8 00
Auto Spray No. 1-B, brass tank with Auto-Pop nozzle.....	8 50
Auto Spray No. 1-C, galvanized tank with stop-cock.....	5 00
Auto Spray No. 1-D, galvanized tank with Auto-Pop nozzle.....	5 50

NET PRICES OF EXTRA ATTACHMENTS.

Extension Pipe, 2 ft., brass for high trees. (P.P. 8 ozs.).....	60
Torch, for burning worms' nests; forces flame $4\frac{1}{2}$ ft. from outlet. (P.P. 1 lb.).....	1 00
Brass Elbow, for reaching underside of leaves, etc. (P.P. 4 ozs.).....	30
Brass Strainer, for straining whitewash, etc. (P.P. 2 lbs.).....	1 00
Two-Row Attachment of heavy brass, with 2 nozzles, for spraying 2 rows of crop at one operation. (P.P. 1 lb.).....	\$1 50



Brass Strainer

Knapsack Sprayer



Knapsack Sprayer

A Knapsack Sprayer and Bucket Sprayer combined. Five-gallon brass or galvanized-iron tank, brass pump with bronze ball valves. Excellent for carrying around the garden among shrubbery, and for tree work, etc. A man can spray 5 to 6 acres of vines in a day with this outfit. Can be used as a bucket spray on the ground with extra handle supplied. These outfits have 5 feet of $\frac{3}{8}$ -inch hose with discharge pipe, under-sprayer and Bordeaux nozzle. Weight, boxed for shipping, 40 pounds. Prices, not prepaid.

Success (as in cut), brass tank...\$20 00 **Prize**, galvanized-iron tank...\$12 00

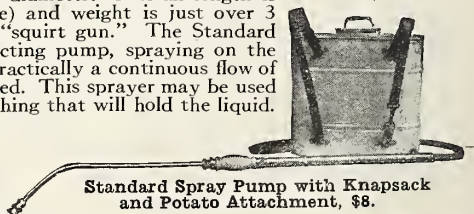
Standard Spray Pump

This handy and simple Sprayer consists of a cylinder and a plunger, both of heavy-gauge brass tubes. To the plunger is attached the handle and the necessary nozzles. To the lower end of the cylinder is attached the hose through which the pump draws the supply of liquid. Cylinder is $1\frac{1}{8}$ inches in diameter and 18 inches long; plunger $\frac{3}{4}$ inch in diameter. Over-all length is $27\frac{1}{2}$ inches (not including hose) and weight is just over 3 pounds. It is operated like a "squirt gun." The Standard Spray Pump is not a double-acting pump, spraying on the down stroke only but, by making the return stroke quickly, practically a continuous flow of spray may be obtained and a considerable height may be reached. This sprayer may be used in conjunction with a bucket, barrel, knapsack, or in fact anything that will hold the liquid.

Prices, not prepaid.

Standard Spray Pump, with $3\frac{1}{2}$ ft. hose and nozzles

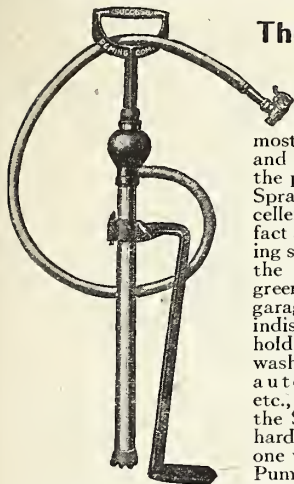
Nos. 1, 2 and 3.....	\$4 25
Knapsack, ready for attaching to pump.....	3 00
"Potato" Extension Attachment.....	90



Standard Spray Pump with Knapsack and Potato Attachment, \$8.

Parcel-post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See inside front cover. **PRICES ABOVE SUBJECT TO CHANGE WITHOUT NOTICE**

The Success Bucket Sprayer

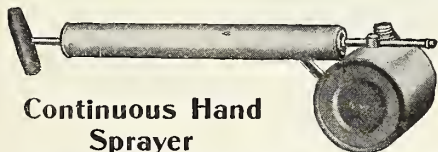


The best Bucket Sprayer on the market. The most popular Sprayer we know, and an exceptional article for the price we ask. The Success Spray Pump, by its truly excellent qualities, is a Success in fact as well as in name. "Nothing succeeds like Success." For the garden, small orchard, greenhouse, poultry house, garage, and home, this pump is indispensable. Every household should own one. For washing windows, carriages, automobiles, whitewashing, etc., and for putting out fires, the Success Bucket Sprayer is hard to beat. If a neighbor of one who owns a Success Spray Pump sees him using it, he also is sure to want one. This Sprayer

is made entirely of brass except the foot-rest and hand-grip. It is made with a large air chamber, is double acting, throwing an absolutely continuous and steady stream, solid or fine spray, as desired; is very light, easily carried, and can be used with any bucket or tub. The price below does not include bucket, but includes nozzle and 3-foot section of $\frac{3}{8}$ -inch hose. Shipping weight, 10 pounds. Price (not postpaid), \$5.

Gardener's Choice Spray Outfit

This is one of the most convenient spraying outfits for general use. As an all-round utility Sprayer it cannot be beaten. It is particularly adapted for both the garden and greenhouse, also for orchard use, as well as for spraying live stock in the barn and livery stable. It is a splendid whitewashing outfit, as the pump is strong and durable, and has a good agitator. The Gardener's Choice is an equipment that is easily worth \$5 more than we ask for it; truly it is the greatest value in spray pumps we have; the reservoir holds 25 gallons; the pump has a brass cylinder and with hose and nozzle is a complete equipment. Price (not prepaid), complete as in cut, \$22.



Continuous Hand Sprayer

The Best Hand Sprayer we offer for the money we ask. As the name implies, this Sprayer is so constructed that it not only sprays on the downward stroke of the plunger but also when it is drawn back, thus causing a continuous mist-like spray. Spray tube, nozzle, and siphon tube are removable. Also the brass-ball check valve is easily accessible. Air chamber measures 14 inches in length by $1\frac{1}{2}$ inches in diameter. Solution tank holds 1 quart. Will handle fly oils, disinfectants, insecticides, and the regular spraying materials with great rapidity, giving a fine, effective spray.

All Tin.....	\$0 85
All Galvanized.....	1 15
All Brass.....	1 50

PRICE, NOT PREPAID

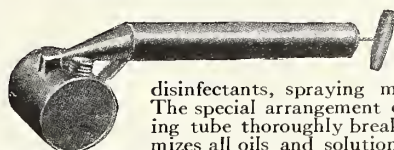
The Fruitall Spraying Outfit

A simple, high-grade, up-to-date pump, embodying several important improvements. All working parts of brass, accessible and easily removed for cleaning. It can be mounted on or removed from barrel by two thumb screws. Steel air chamber of unusually large capacity. A long, adjustable handle. The pump is low down and within the barrel, thus offering no obstruction to limbs, and is not top-heavy. The pump is large, but easily operated by one person. The agitator is mechanical in action, and much superior to the old "return discharge." The most efficient and satisfactory



spray pump ever offered. Price (not prepaid), **Fruitall Pump**, with agitator only, \$9.50; **Fruitall Pump**, with barrel, \$13.50; **Fruitall Outfit C**, Sprayer with agitator and 15-ft. lead of $\frac{3}{8}$ -inch discharge hose and "Mistry, Jr." spray nozzle, \$13.50; with barrel, \$17.50.

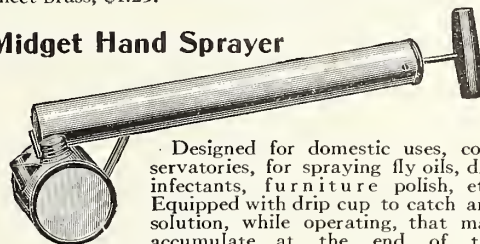
Noll's Special Hand Sprayer



For all general purposes, fly oils, disinfectants, spraying materials, etc.

The special arrangement of the spray tube thoroughly breaks up or atomizes all oils and solutions into a fine, mist-like spray, which penetrates all cracks and crevices. Air chamber $14\frac{1}{2}$ inches long and $1\frac{1}{4}$ inches in diameter. Solution tank ends are double seamed and rolled on, making tank non-leakable. Best plunger leather obtainable is used. Tank capacity 1 quart. Prices (not prepaid): Heavy sheet tin, 60 cts.; heavy sheet brass, \$1.25.

Midget Hand Sprayer



Designed for domestic uses, conservatories, for spraying fly oils, disinfectants, furniture polish, etc. Equipped with drip cup to catch any solution, while operating, that may accumulate at the end of the spray tube. Made of good quality tin; cylinder 14 inches long by $1\frac{1}{2}$ inches in diameter; tank capacity 1 pint. Price (not prepaid), 35 cts.

The New Kant-Klog Sprayer

Kant-Klog Sprayer, style G, is operated by compressed air, with a patented Kant-Klog nozzle that throws seven different sizes of round or flat sprays and solid streams. The air pump is made of heavy brass 2 inches in diameter; hose couplings are solid brass. A few seconds' working of the air pump agitates the solution and charges the sprayer with compressed air. The tank holds 3 gallons of solution and 1 gallon of compressed air; and two workings of the air pump will discharge the entire contents. Used in greenhouses, poultry houses, the garden, and for all plant life including trees. By express or freight, not prepaid. Galvanized-steel reservoir, Kant-Klog nozzle, complete, \$5.50. With brass reservoir, complete, \$8.

FOR INSECTICIDES SEE PAGES 58 AND 59. PRICES SUBJECT TO CHANGE WITHOUT NOTICE

FARM AND GARDEN IMPLEMENTS

Plows

Boss Combination Plow. The handiest one-horse turning Plow for general use. Actually four plows in one. It can be worked as a medium and heavy one-horse plow, and as a plow for operating among cabbage, strawberries, etc. \$5.75; with the double mold and share \$8.

No. 1-B South Bend One-Horse Plow. This is larger than the No. 62 and is one of the most desirable one-horse Plows on the market for garden work. Has a furrow capacity of 5½ by 9 inches. Including clevis, wrench, and extra share, \$6.

No. 2 South Bend Plow. This Plow is designed for one heavy horse or two light horses. This Plow is in big demand all over the country, being used in nurseries, gardens, etc. Has a furrow capacity of 6 by 10 inches. Can be fitted with jointer and level wheel if desired. \$9.

Little Captain Plow No. 62. No. 62 is one of the finest Plows of its capacity on the market today. The moldboard, landside, and share are removable, being separate from the standard. It is constructed much like all the South Bend Chilled Plows. This Plow is sold at a very reasonable price and we are sure you cannot buy any other Plow of its size that will give the same satisfaction. Furrow capacity of 4 by 7 inches. Is made in right-hand and wood beam only. Plow complete, \$4.

Harrows

Acme Pulverizing Harrow. A Harrow that crushes, cuts, turns, smooths, and levels all in one operation. Two-horse size, cuts 6½ feet. \$24.

Steel Disc Smoothing Harrow. Frame measures 6 feet 8 inches by 6 feet and has four sets of rollers, having 58 discs 8 inches in diameter. Two-horse size, \$24; one-horse size, \$23.75; 8 ft., with 82 discs 10 inches in diameter, \$35.

All Steel Flexible Disc Harrow. The only Disc Harrow having independent adjustable spring pressure upon the inner end of each gang of discs, allowing any pressure to be thrown upon the inner ends of the gangs by foot of operator.

No. 3, two-horse, has twelve 16-inch discs; cuts 6 feet, with solid discs.....\$31 00

No. 3½, two-horse, has twelve 16-inch discs; cuts 6 feet, with cut-out discs..... 33 00

Whiffletrees and neck-yoke, two-horse..... 2 50

In addition to the above-named plows and harrows, an assortment of which we always carry in stock, we can supply at short notice plows and harrows of any make to meet the requirements of our customers.

Iron Age Tools

No. 19C Wheel Cultivator and Plow.....\$4 50

No. 9 Single Wheel Hoe..... 6 50

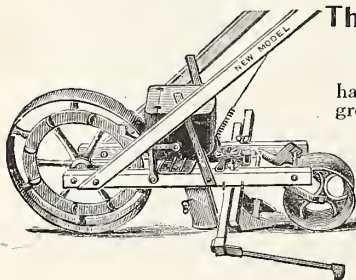
No. 1 Double and Single Wheel Hoe..... 8 75

No. 3 Double and Single Wheel Hoe..... 5 50

No. 6 Double and Single Wheel Hoe and Drill Seeder..... 15 00

No. 600 E.L. Horse Hoe and Cultivator, with lever expander and lever wheel..... 8 60

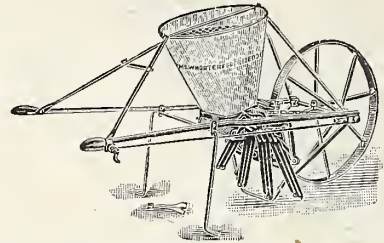
Send for Iron Age catalogue.



The New Model Seed Drill

This excellent tool has been in use for a great many years. It always gives satisfaction. It is strongly made, sows any kind of seed with dependable regularity, and is one of the steady reliables. \$10.

McWhorter Man Power Fertilizer Distributor

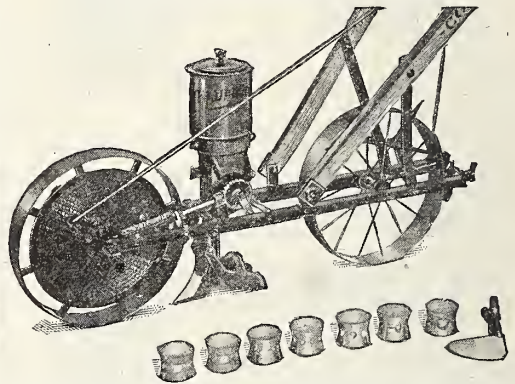


Any commercial fertilizer can be applied with it in any desired quantity from 3 pounds to 40 pounds per 100 yards of row. It will distribute broadcast or in furrows or between rows, or both sides of one, two, three or four rows, according to their distance apart, at one operation. The fertilizer is forced through eight distributing spouts which may be contracted to cover a 4-inch strip; or they may be spread into any position not exceeding 2½ feet in width. For top dressing strawberry beds, lawns, etc., as well as for rowed crops, it is a boon. Easily worked by man or boy. Weight 61 lbs. \$12.

King of the Cornfield Planter and Fertilizer Distributor

Popular one-horse planter for corn, beans, beets, buckwheat, etc. Will plant 4½, 9, 12, 18, 24, 36, and 72 inches apart any quantity of seed required, in hills or drills of uniform depth, opening the furrow, planting, evening, rolling down, and marking the next row at one operation. Simple construction, no complicated parts. \$26.

The New Columbia Planter

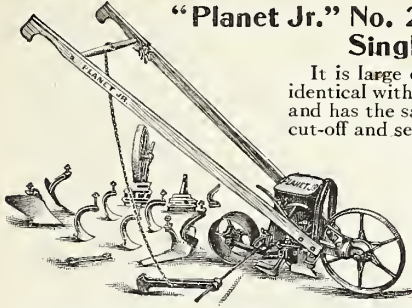


Far surpasses last year's model. The greatest thing for sowing peas on the market. Made with geared or cog-driven seed delivery, consequently will sow with absolute regularity no matter what the speed of the operator. Bunching of seed in one place and none at all in others is impossible. There are thirteen different speeds for each cylinder, sowing thirteen different quantities without removing the cylinder from its place for each kind of seed. Every seed is carried to the ground and covered, not a seed can escape nor pass through the machine unless the machine is in gear and ready to do its work, nor can a seed be shaken out when the machine is out of gear. It will sow all vegetable and flower seeds with perfect uniformity and at any required depth. Full instructions with each machine. \$11. Special bean spool, 80 cts. Extension hopper, useful when sowing large areas, 50 cts.

PRICES ABOVE SUBJECT TO CHANGE WITHOUT NOTICE

"PLANET JR." FARM AND GARDEN TOOLS

"Planet Jr." No. 25 Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator, and Plow



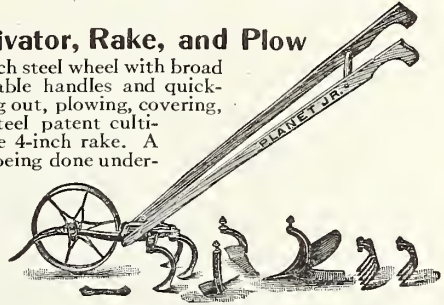
It is large enough for field use, for it holds $2\frac{1}{2}$ quarts. As a Drill it is almost identical with the No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with thumb-screw adjustment. Accurate in sowing all kinds of garden seed in either hills or drills. As a wheel hoe it is identical with the No. 12 Double Wheel Hoe. The change from drill to wheel hoe takes but a moment. Price, including one pair of 6-inch hoes, four cultivator teeth, one pair plows, two leaf-guards, and one marker, \$16. Shipping weight, 61 lbs.

"Planet Jr." No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator, and Plow

Same as above, but combining a single instead of a double wheel hoe. Price, including one pair of 6-inch hoes, three cultivator teeth, one garden plow, one leaf guard, and one marker, \$13.25. Shipping weight, 50 lbs. As a Seeder only, \$10.75.

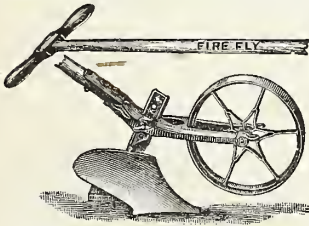
"Planet Jr." No. 16 Single Wheel Hoe, Cultivator, Rake, and Plow

This Single Wheel Hoe has a very full set of tools. It has a 15-inch steel wheel with broad face, and is very light, strong, and easy running. It has adjustable handles and quick-change steel frame. The tools are a well-shaped plow for marking out, plowing, covering, and late cultivation; a pair of 6-inch shield hoes and three all-steel patent cultivator teeth; also one large garden plow, one 7-inch rake, and one 4-inch rake. A practical leaf-guard holds up the plants, while thorough work is being done underneath; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage. Price, complete, \$7.25. Shipping weight, 26 lbs.



"Planet Jr." Fire-Fly Hand Garden Plow

This tool is exceedingly useful to owners of small gardens. It will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice.



Furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed, and plow back again. This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden. Chicken raisers find it of great advantage in plowing up their scratching yards. Price, \$2.75. Shipping weight, 14 lbs.

No. 11 Double Wheel Hoe, Cultivator, and Plow

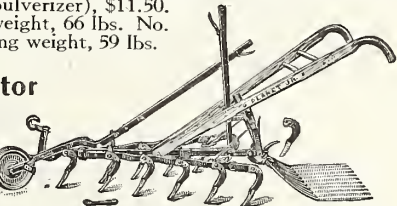
It has 14-inch steel wheels, which can be set at four different distances apart; the steel frame can be set three different heights. The handles are adjustable, and, being attached to the arch which is 20 inches high, are undisturbed in making changes of adjustment in frame, wheels, or tools.

The blades are of tempered and polished steel. Price, No. 11, including one pair 6-inch hoes, one pair $4\frac{1}{2}$ -inch hoes, four steel cultivator teeth, one pair plows, two 3-tooth rakes, two 5-tooth rakes, and two leaf lifters, \$11. Shipping weight, 39 lbs. No. 12, as in cut, less rakes and $4\frac{1}{2}$ -inch hoes, \$8.75. No. 13, same frame and wheels as Nos. 11 and 12, but with one pair 6-inch hoes only, \$6.

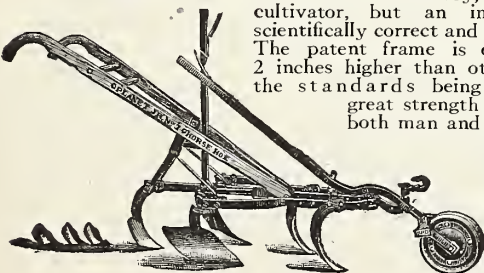


12-tooth Harrow, Cultivator, and Pulverizer

A high frame and 12 chisel-shaped teeth. The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion; it contracts to 12 inches and expands to 32 inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. Price, complete, No. 90 (with steel lever wheel and pulverizer), \$11.50. Shipping weight, 74 lbs. No. 90 B (less pulverizer), \$9.50. Shipping weight, 66 lbs. No. 91 (without wheel lever or pulverizer but with plain wheel), \$9. Shipping weight, 59 lbs.



"Planet Jr." No. 7 Horse Hoe and Cultivator



This is no ordinary, heavy, clumsy cultivator, but an implement made scientifically correct and entirely of steel. The patent frame is extra long and 2 inches higher than other cultivators, the standards being hollow, giving great strength and remarkably light weight, consequently it is easy for both man and horse to work.

The cultivator, teeth, hoes, etc., are of the finest quality of case hardened, polished, beveled steel that will retain an edge and will not clog in the stickiest soil. The lever expander gives from 10 to 25 inches in width. Price, with four 3- by 8-inch cultivating steels, one 4- by 8-inch cultivating steel, one pair 6-inch hillers, one 7-inch shovel, lever expander, and lever steel wheel, as in cut, \$11. Shipping weight, 77 lbs. With depth regulator additional, order as No. 8, price, \$11.50. Shipping weight, 83 lbs.

POULTRY FOODS

We list and sell only the highest grades of Poultry Foods, etc., and sell at prices as low as is consistent with quality. Our new "Economy Brand" Scratch, Mash, Chick, and Pigeon Foods are typical of the high standard we have set. All prices below include local delivery but are **subject to change without notice**, being based on market conditions. For Incubators and Brooders, see page 68.

Noll's Economy Brand Scratch Food. Compounded from good, sweet, clean grains only, a perfectly balanced egg ration, suitable for feeding the year round, thus insuring a healthy, hardy flock of birds. There is no substitute for this class of food; it is indispensable. We have more than doubled our sales on this Scratch Food and consider this our best testimonial. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. 90 cts., 50 lbs. \$1.70, 100 lbs. \$3, 500 lbs. \$14.75, 2,000 lbs. \$58.

Noll's Economy Brand Mash Food. Not a grain mixture only, but containing the correct percentage of animal and vegetable protein, and a small amount of fat. The correctly balanced ration for laying fowls, giving a heavy production of fertile eggs. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3.10, 500 lbs. \$15.25, 2,000 lbs. \$60.

Noll's Economy Brand Chick Food. Safe and nourishing food for young chicks just out of the shell, and will carry them right along until maturity. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. \$1, 50 lbs. \$1.90, 100 lbs. \$3.50, 500 lbs. \$17.25, 2,000 lbs. \$68.

Noll's Economy Brand Pigeon Food. A balanced grain ration, very popular with pigeon fanciers, producing large squabs, with fine, light-colored meat. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. \$1, 50 lbs. \$1.90, 100 lbs. \$3.50, 500 lbs. \$17.25, 2,000 lbs. \$68.

Alfalfa Meal. The leading green food substitute, containing from 14 to 17 per cent protein. Feed freely in wet mash, or by itself, slightly moistened. 5 lbs. 20 cts., 10 lbs. 35 cts., 25 lbs. 75 cts., 50 lbs. \$1.45, 100 lbs. \$2.75, 500 lbs. \$13.25, 2,000 lbs. \$50.

Beef Scrap. The most economical and best meat food for poultry. Can be fed the year round by itself in a hopper, or in a 10 per cent proportion mixed with other foods. Not the cheapest, but the best. 5 lbs. 25 cts., 10 lbs. 40 cts., 25 lbs. 90 cts., 50 lbs. \$1.75, 100 lbs. \$3.25, 500 lbs. \$16, 2,000 lbs. \$63.

Ground Bone Meal (Fine). Indispensable to young chicks, turkeys, etc., preventing leg weakness. Mix with soft food, one teaspoonful for 25 small chicks. 5 lbs. 25 cts., 10 lbs. 40 cts., 25 lbs. 90 cts., 50 lbs. \$1.70, 100 lbs. \$3.

Crushed Raw Bone (Coarse). A positive necessity for adult poultry, indispensable to laying fowls. It contains lime, animal matter, etc.; in fact, all of the constituents of an egg. 5 lbs. 25 cts., 10 lbs. 40 cts., 25 lbs. 90 cts., 50 lbs. \$1.70, 100 lbs. \$3, 500 lbs. \$14.75, 2,000 lbs. \$58.

Charcoal (Coarse or Fine). Aids digestion, purifies the blood and crop, regulates the bowels. Indispensable, and should be in the hopper at all times. 5 lbs. 20 cts., 10 lbs. 35 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.25, 500 lbs. \$10.50, 1,000 lbs. \$20.

Grit. Put up in 3 sizes—coarse for fowls, medium for pigeons, and fine for young chicks. Clean and free from dust. 5 lbs. 10 cts., 10 lbs. 15 cts., 25 lbs. 30 cts., 50 lbs. 50 cts., 100 lbs. 75 cts., 500 lbs. \$3.50, 2,000 lbs. \$13.

Oyster Shells (Ground). From clean, selected stock; ground, carefully screened, and free from dust. In two sizes: coarse and fine. 5 lbs. 10 cts., 10 lbs. 15 cts., 25 lbs. 30 cts., 50 lbs. 50 cts., 100 lbs. 75 cts., 500 lbs. \$3.50, 2,000 lbs. \$13.

BIRD SEED, ETC.

All re-cleaned at our warehouses, and up to the mark in every respect. Prices subject to change.

Bird Gravel. 1-lb. pkg. 8 cts., 3 lbs. 20 cts.

Bird Manna. Pkg. 15 cts.

Canary Seed (Pure). Lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.30, 50 lbs. \$5.50, 100 lbs. \$10.

Cuttle-Fish Bone. 3 for 10 cts.

Flax Seed (Whole). Lb. 12 cts., 3 lbs. 30 cts.

Flax Seed (Ground). Price same as for Whole Flax.

Hemp Seed. Lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.30, 25 lbs. \$3.

Maw Seed. Lb. 20 cts., 2 lbs. 35 cts.

Millet. Lb. 10c., 5 lbs. 35c., 10 lbs. 65c., 25 lbs. \$1.40.

Mixed Bird Seed. Combines only re-cleaned seeds. Lb. 10 cts., 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.75.

Rape. Lb. 17 cts., 5 lbs. 70 cts., 10 lbs. \$1.25, 25 lbs. \$2.75.

Song Restorer, Burnett's. Pkg. 15 cts.

Sunflower, Large Russian. Lb. 15 cts., 5 lbs. 70 cts., 10 lbs. \$1.35, 25 lbs. \$3, 50 lbs. \$5.75, 100 lbs. \$11.

MISCELLANEOUS

Mapes' Manures

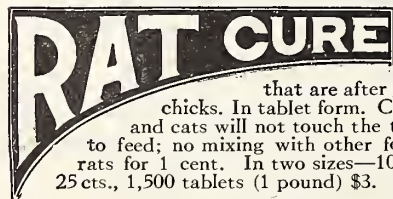
	100 lbs.	Ton
General Crop. War Special. 2-8-10	\$2 00	\$30 00
Corn Manure. War Brand. 3-8-10	2 50	40 00
Cereal Brand. War Special. 3-8-10	2 20	33 00
General Special. War Brand. 7-8-10	3 60	53 00
Potato Manure. War Brand. 5-8-10	3 00	45 00

Per cent analyses given above are Ammonia, Available Phosphoric Acid, and Potash.

Lister's Fertilizers

	100 lbs.	Ton
Standard for General Use. 3-9-1	\$2 35	\$35 00
Lawn Fertilizer. 2½-8-1	2 20	33 00
Corn and Potato Fertilizer. 2½-8-1	2 20	33 00
Perfect Potato Manure. 4-9-1	2 40	38 00
Cauliflower and Cabbage. 5-8-1	2 50	41 00
Buyers' Choice Acid Phosphate. -14-	1 50	23 00

For those Rat Pests use



Just the thing to kill those rats and mice

that are after your eggs and chicks. In tablet form. Chickens, dogs, and cats will not touch the tablets. Easy to feed; no mixing with other foods. Kills 4 rats for 1 cent. In two sizes—100 tablets for 25 cts., 1,500 tablets (1 pound) \$3.

Atkinson's Sanitary Absorbent

For poultry dropping boards. Kills all hen-house disease germs, and absorbs all odors, keeping the boards sweet and clean. A concentrated product. Must be mixed with equal weight of fine sifted coal ashes. 100-pound sack makes 200 pounds. Health for your flock costs you nothing, as the manufacturer will buy back the droppings on which the absorbent has been used, to use in making other products, according to agreement printed on shipping tags. 25-lb. bag \$1.25, 100-lb. bag \$4.

POULTRY REMEDIES AND SUNDRIES

CONKEY'S CURES.

Bronchitis Remedy. 50 cts. postpaid.
Buttermilk Starting Food. 25 cts. and 50 cts.
Chicken-pox Remedy. 50 cts., postpaid 55 cts.
Cholera Remedy. 25 cts. and 50 cts. postpaid.
Fly Knocker. 1/2 gal. 60 cts., gal. \$1 (not mailable).
Gape Remedy. 50 cts., postpaid 60 cts.
Head Lice Ointment. 1-oz. tube 10 cts., 3-oz. tube 25 cts., postpaid.
Healing Salve. 25 cts. postpaid.
Laxative for Poultry. 25 cts. postpaid.
Lice Liquid. 1 qt. 35 cts., 2 qts. 60 cts., 1 gal. \$1 (not mailable).
Lice Powder. 15 ozs. 25 cts. (P.P. 1 lb.), 3 lbs. 50 cts. (P.P. 4 lbs.).
Limber Neck Remedy. 50 cts., postpaid 55 cts.
Nox-i-cide. A soluble disinfectant. Pt. 35 cts., qt. 60 cts., gal. \$1.50 (not mailable).
Poultry Conditioner. 25 cts., postpaid 30 cts.
Poultry Tonic. 1 1/2 lbs. 25 cts. (P.P. 2 lbs.), 3 1/4 lbs. 50 cts. (P.P. 4 lbs.), 7 lbs. \$1 (P.P. 8 lbs.).
Poultry Worm Remedy. 50 cts., postpaid 55 cts.
Roup Remedy. 25 cts., 50 cts., and \$1 postpaid.
Scaly Leg Remedy. 25 cts. postpaid.
White Diarrhoea Remedy. 25 cts. and 50 cts., postpaid.

PRATT'S REMEDIES.

Poultry Regulator. The standard regulator. Pkgs. 10 cts. (P.P. 1 lb.), 25 cts. (P.P. 3 lbs.), 50 cts. (P.P. 7 lbs.), 12-lb. pail \$1.25; 25 lbs. \$2.25.
Roup Cure. Pkg. 25 cts., postpaid 30 cts.
Sore Head and Chicken-pox Remedy. Pkg. 25 cts., postpaid 30 cts.
White Diarrhoea Remedy. 25 cts., postpaid 30 cts.

RUST'S REMEDIES.

Egg Producer. Have your fowls stopped laying? This will start them again. Lb. 25 cts. (P.P. 2 lbs.), 2 1/2 lbs. 50 cts. (P.P. 3 lbs.), 6 lbs. \$1 (P.P. 7 lbs.), 25 lbs. \$3.50.
Rust's Havens Climax Powder. Needs but a trial and you become a steady user. A preparation by itself. Mix 1 pound to 12 pounds wheat middlings. Improves digestion and assimilation. 13-oz. pkg. 25 cts. (P.P. 1 lb.), 2 lbs. 50 cts. (P.P. 3 lbs.), 5 lbs. \$1 (P.P. 6 lbs.), 20 lbs. \$3.50.
Lice Killing Powder. Pkg. 10 cts. (P.P. 1 lb.), lb. 25 cts. (P.P. 2 lbs.), 3 lbs. 50 cts. (P.P. 4 lbs.).
Liquid Lice Killer. Qt. 35 cts., 2 qts. 60 cts., gal. \$1.
Roup Pills. 25 cts. and 50 cts., postpaid.
Rust's Soluble Roup Powder. 4 ozs. 25 cts., 9 ozs. 50 cts.

SMITH'S REMEDIES.

Chicken-pox Ointment. 25 cts., postpaid 30 cts.
Germicide. 25 cts. and 50 cts. (not mailable).
Head Lice Ointment. 15 cts., postpaid 20 cts.; 25 cts., postpaid 30 cts.
Insecticide (Powder). 10 cts. (P.P. 1 lb.), 25 cts. (P.P. 2 lbs.), 50 cts. (P.P. 3 lbs.).
Roup Remedy. 25 cts., postpaid 30 cts.,
Roup Extractor. 50 cts. (not mailable).

MISCELLANEOUS REMEDIES.

Poultry Pan-a-ce-a. Makes poultry healthy; makes hens lay. Not a stimulant, but a tonic. Worth a trial. We sell a lot of it. 1 1/2 lbs. 25 cts. (P.P. 2 lbs.), 5 lbs. 60 cts. (P.P. 6 lbs.), 12 lbs. \$1.25 (P.P. 13 lbs.), 25-lb. pail \$2.50.

STERLINGWORTH EGG TABLETS. 25 cts. and 50 cts.

WEAK-NEE-WELL. For leg weakness. 25 cts. and 50 cts.

WHITING'S ROUPENE. Will positively cure the most dreaded form of roup, namely diphtheretic roup. Roupene will be found an infallible preventive and a sure cure for other forms of roup, canker, chicken-pox, sore head, gape, and other diseases of the respiratory organs in fowls of all breeds. You do not have to isolate the sick fowls from the rest of the flock. The use of Roupene



will save your little chicks from that dreaded disease, white diarrhoea. Directions on bottle. 50 cts., postpaid 55 cts.; \$1, postpaid \$1.05.

Whiting's White Diarrhoea Remedy. 50 cts. and \$1.

CAPONIZING SETS (postpaid).

Greiner's. \$3. **Lansdowne No. 2.** \$3.
Lansdowne No. 1. \$3.50. **Pilling Special.** \$4.

CORN SHELLER, Red Chief. \$2.50 each.

DISINFECTANTS (not mailable).

Conkey's Nox-i-cide. A soluble disinfectant, deodorant and germ destroyer. Pt. 35 cts., qt. 60 cts., gal. \$1.50.
Fer-Sul. The ideal disease stopper. Sure death to germs. Good for roup, canker, chicken-pox, cholera, scaly leg, gape, etc. 12 ozs. 50 cts., 1 qt. 75 cts., 1 gal. \$2.

For Incubators and Brooders, see page 68. For Poultry Fountains, etc., see pages 66 and 67.

PRICES ABOVE SUBJECT TO CHANGE WITHOUT NOTICE

Disinfectants, continued

Hygeno-a. For general purposes. Pt. 35 cts., qt. 50 cts., 1/2 gal. 95 cts., gal. \$1.75.
Rusoline. Deodorizer and germ expeller. Pt. 35 cts.
Zenoleum. Sure death to insects and parasites. For disinfecting incubators, etc. 8 ozs. 25 cts., qt. 50 cts., 1/2 gal. 90 cts., gal. \$1.50, 5 gals. \$6.25 (not mailable).

NEST EGGS (not mailable).

China. 2 for 5 cts., 25 cts. per doz., \$2.50 per gross.
Knox's Lice-Expelling. Made of naphthaline just like a real egg. 3 for 25 cts., 90 cts. per doz., \$7 per 100.
Lime. Repulsive to lice and vermin; nest disinfectant; will not break. 2 for 10 cts., 40 cts. per doz., \$2.75 per 100.

EGG BOXES (not prepaid). Ordinary cardboard. Hold 1 dozen eggs (3 by 4), 25 cts. per doz., \$1.10 per 100, \$10 per 1,000.

EGG BOXES for Parcel Post (not prepaid). The best made, having been thoroughly tried out in the mails.

Size	Wt. per 100	Doz.	100
1 doz.	48 lbs.	\$1 00	\$6 50
2 doz.	78 lbs.	1 50	9 75
3 doz.	104 lbs.	2 00	13 00
4 doz.	136 lbs.	2 40	16 25
5 doz.	158 lbs.	2 80	18 50
6 doz.	185 lbs.	3 20	21 60
10 doz.	278 lbs.	4 80	32 00

EGG TESTERS, X-Ray. 25 cts. each, 35 cts. each, postpaid.
Gillette Electric. \$1.50 each.

FLY KNOCKER, Conkey's. Keeps flies off cattle in the summertime. 1/2 gal. 60 cts., gal. \$1 (not mailable).

KNIVES, French Pattern Poultry Killing. 50 cts. each. American. 40 cts. each.

LEG BANDS.

Champion Aluminum Adjustable. Has double lock; impossible for them to come off. 15 cts. per doz., 50 cts. for 50, 80 cts. per 100, postpaid.

Spirol, Celluloid. In nine colors of 1/4-inch round celluloid, key-ring style. 15 cts. per doz., \$1 per 100, postpaid.
Pigeon and Baby Chick Size. 10 cts. per doz., 75 cts. per 100.

NESTS, Hen's, Wire. Japanned. 15 cts. each, \$1.50 per doz.

OAT SPROUTERS (not prepaid).

Economy. No lamp needed. Costs nothing to operate. Just sprinkle with water and keep in an even temperature; 5 perforated pans 16 x 17 in., 1 drip pan at bottom. Takes floor space of 18 in. square. Height, 35 in. Shipping weight 40 lbs. \$5.50.

Collins. Very practical, continuous-growing, sectional, fireless. In great demand. Prices (not prepaid):
 5-pan size, 11 by 15 inches. \$2 00
 8-pan size, 11 by 15 inches. 3 00
 8-pan size, 11 by 32 inches. 6 00

"O.K." LITTER. Best for poultry coops, etc. No odor. Price per bale (not prepaid), \$4; in 5 to 10 bale lots, \$3.75.

PERCH SUPPORTS, Lice-proof.

Wall Supports. 40 cts. per pair (P.P. 3 lbs.), 3 pairs for \$1.10, 6 pairs for \$2.

Upright Supports. 50 cts. per pair (P.P. 4 lbs.), 3 pairs for \$1.30, 6 pairs for \$2.50.

PIGEON NESTS (not prepaid).

Fiber. 9-inch diameter, glazed, waterproof, 20 cts. each, \$1.90 per doz.

Earthen. Made of clay, with heavy bottom. Cannot upset. 8 1/2 in. diam., 20 cts. each, \$2 per doz.

POULTRY MARKER OR PUNCH (postpaid).

Lansdowne. Large, 25c. ea. **Pilling's Duplex.** 25c. ea.

RAT CURE. 100 tablets 25 cts., 1 lb. \$3.

RAT PASTE, Spitzer's. 25 cts. and 50 cts.

SULPHUR FUMIGATING CANDLES. A safe and effective fumigator. Moisture is given off with the gas, producing sulphurous-acid gas, which is essential to thorough fumigation. Easily lighted and a sure burner. 15 cts. each, postpaid 20 cts.

THERMOMETERS, Brooder, Cornell; 50 cts. **Incubator, Buckeye,** 75 cts. **Incubator, Standard,** 75 cts.

DOG CAKES

MALTOID, MILK-BONE, Puppy Size. 11 ozs. 10 cts., 32 ozs. 25 cts., 10 lbs. \$1.25.

MALTOID, MILK-BONE, Dog Size. 11 ozs. 10 cts., 32 ozs. 25 cts., 10 lbs. \$1.25.

SPRATT'S PUPPY CAKES. 3 lbs. 35 cts., 10 lbs. \$1, 100 lbs. \$9.

SPRATT'S DOG CAKES. 3 lbs. 30 cts., 10 lbs. 90 cts., 100 lbs. \$8.

FEEDERS, FOUNTAINS, ETC.

The Norwich Automatic Air-Lock Fountain



Norwich Automatic Air-Lock Fountain

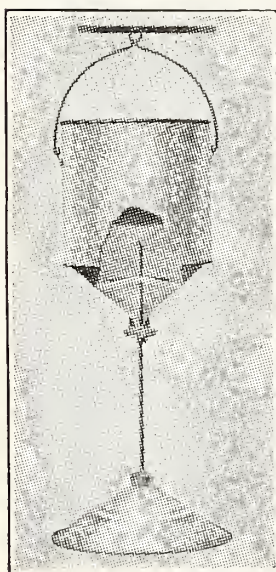
The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It requires cleaning only about once in three months. Guaranteed frost-proof to ten degrees below zero, and has been operated at temperatures of fifteen below. Fitted with detachable cup, removable oil chamber, heat generator, etc. Made in one size only, 5-gal. capacity. Complete with burner base (17 lbs.), \$4, without burner base, \$2.50.

No. 5, 24 qts. capacity.....\$1 60
No. 1, 12 qts. capacity..... 1 10
No. 2, 3 qts. capacity (chick size)..... 85

Sexton's Dry Feed Hopper

Simple in construction, easily operated, and absolutely rat- and mouse-proof. The lower cover is so arranged that it is held up by locking the top cover of Hopper over same, and by raising the top cover, the lower cover will fall in place. This Hopper is arranged to hang and need never be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used. The body being covered keeps feed dust-proof and clean, and always dry. Body is made of galvanized iron and the grating is of round, galvanized wire, preventing the poultry from cutting their bills.

Sexton's Automatic Poultry Feeder



When Feeder is first put up, scatter a few grains of feed on the bottom edge of spreader. The fowl will then pick at the grain and so will cause the rod to vibrate, which makes more grain drop from the hopper on to the spreader. The grain may be fed fast or slowly by adjusting the set screw. Will pay for itself in a short time as the feed is not wasted and it keeps the fowl busy and healthy. Suspend feeder so that bottom is 10 inches from the floor.

No. 0, 7 qts. ...\$1 25
No. 1, 12 qts.... 1 50
No. 2, 18 qts.... 1 75
No. 3, 30 qts.... 2 50

For Incubators and Brooders, see page 68.

Norwich Automatic Exerciser and Feeder

The Feeder is operated by birds rotating the bait bar; the grain, escaping from the hopper, rattles down on the deflector and is scattered on the floor in a wide even circle. The birds are kept constantly at work while feeding. Flow stops instantly when bait bar stops revolving. Flow is regulated by set valve; also, height of bait bar from the ground is adjusted by adjustable iron legs. Saves grain, labor and time. Waste-, rain-, rat-, and bird-proof.

No. 1, 8 qt., 13 lbs.....\$3 00
No. 2, 14 qt., 15 lbs..... 3 90
No. 3, 20 qt., 20 lbs..... 4 90
No. 4, 32 qt., 27 lbs..... 6 00



The Apaco Automatic Poultry Feeder

Similar to above Feeder, but without the legs. Is suspended from above. A popular Feeder at a popular price. Made with 12-quart hopper, \$1.25. Shipping weight, 5 lbs.

Norwich Automatic Dry Mash Hopper

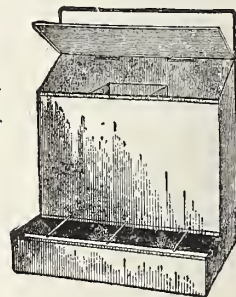
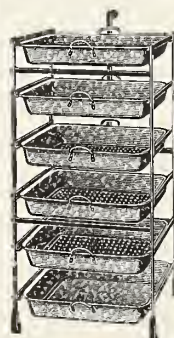


The Hopper body is 9 inches in diameter by 27 inches in length. The feed basin is an open, round-bottomed trough swung in position under the spout by two vibrator rods which pass through the spout and hopper body and are attached to an adjustable cross bar near the top. The feed basin has universal movement and the very act of the birds feeding at the basin causes the rods to vibrate which absolutely precludes clogging. Made in one size only, 20 quarts capacity.

Without rain guard (as incut), shipping weight 8 lbs.\$2 50
With rain guard, shipping weight 11½ lbs. 3 25

1-2-3 Shell, Grit, and Charcoal Feeder

A very convenient size for a pen of fowls. Will serve for one, two, or three kinds of feed by using the separator. 60 cts. and 85 cts.



Economy Oats Sprouter

The natural process for sprouting. Contains five sprouting-pans and one drip-pan 16 by 17 inches. Iron rack is 35 inches high. By feeding sprouted oats through the winter, egg production can be kept up to a much larger degree than otherwise. \$5.50.

PRICES OF ABOVE SUBJECT TO CHANGE WITHOUT NOTICE

FEEDERS, FOUNTAINS, ETC.

MOE'S HOT WATER HOVER



Tank, inside of galvanized iron cover, is packed with asbestos to retain the heat. Pipes of special metal; will not rust. Safe and simple.



No. 55, 14½ in. diam.; 30 to 50 chicks. \$3 25
No. 56, 23½ in. diam.; 125 to 150 chicks. 5 50

MOE'S NEVER FAIL TRAP NEST



A solution of all trap-nest troubles. It never fails. Every nest set up and ready for use when shipped.



No. 33, 12 by 12 by 12 in., complete. \$1 00
No. 34, for larger fowls, 12 by 12 by 14½ in. 1 25

MOE'S ROUND BABY CHICK FEEDER



The most convenient and commodious feeder on the market. Can also be used for water.



No. 11, small size. \$0 15
No. 12, large size. 25

MOE'S SANITARY BROODER FOUNTAIN



Little chicks can't get wet. Is put in corner of brooder. Can't be upset. Can be hung up by hook which is on top of each fountain.



No. 0, 1-qt. capacity. \$0 25
No. 5, 1-gal. capacity. 50

MOE'S GRIT AND SHELL BOXES



Grit, shell, and charcoal now a recognized essential part of the diet, insuring healthy fowls, cannot be more economically supplied than in one of these boxes.



No. 9, Moe's Grit Box, capacity about ½ bus. . . . \$0 50
No. 90, four compartments. 75
No. 45, two compartments for baby chicks 30

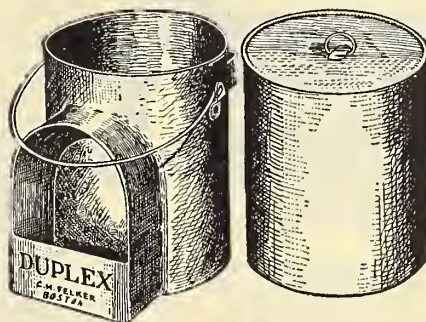
MOE'S SANITARY POULTRY DRINKING FOUNTAIN



Fills from the top. Dead air space keeps water cool in summer and from freezing in winter. Now made with square pan, which does away with spilling when hung up.



No. 1, 1-gal. capacity. \$1 00
No. 2, 2-gal. capacity. 1 50
No. 4, 4-gal. capacity. 2 00



The Duplex Fountain

The most practical sanitary Fountain. This is a double fount; keeps the water clean and pure.
4-quart. \$0 65 8-quart. \$0 90

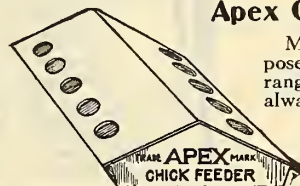
Peerless Drinking Fountain

The water, protected from dirt and filth, is always pure. Easy to clean and fill, and fowl cannot injure their combs when drinking. Simple in construction, durable, practical, and adjustable.



Brooder size. \$0 30
5-qt. size. 65
10-qt. size. 90

Apex Chick Feeders



Made for brooder purposes, and are so arranged that the feed is always directly under the holes through which the chicks feed. They are made single and double.

Each Per doz.
Single Feeders. 3 hole. \$0 25 \$2 75
6 hole. 40 4 50
Double Feeders. 10 hole. 55 6 00

Mann's Green Bone and Vegetable Cutter

For 40 to 100 hens use No. 7, for more than 100, No. 9. Patented new model automatic governing spring feed. Large, open-hinged cylinder, giving instant access to all working parts. Six special knives. Gear guard, anti-clog device. Heavy balance wheel, with adjustable handle.

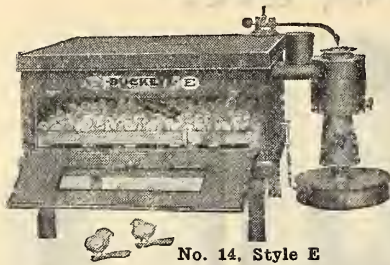


No. 5 B, with balance wheel. \$8 80
No. 5 BM, with balance wheel and iron stand. 11 50
No. 7, with balance wheel and iron stand. . . 13 25
No. 9, with balance wheel and iron stand. . . 20 25
Prices of power machines on application.

PRICES ON THIS PAGE SUBJECT TO CHANGE WITHOUT NOTICE

HAVE YOU TRIED NOLL'S ECONOMY BRAND POULTRY FEEDS? See page 64

BUCKEYE HOT-WATER INCUBATORS



No. 14, Style E

We are the sole agents in Newark and vicinity for the Buckeye Incubators, Brooders, Hovers, etc. The Buckeye Incubator is the best hot-water-heated machine on the market, and has the benefit of twenty-five years of practical demonstration. The boiler,



Standard Style
Made in six sizes
60 to 600 Eggs

hot-water tank, and tubes are made of pure copper and will last for an indefinite period. The case is made of California redwood, and is beautifully finished. Every part of the machine is mechanically perfect, and in simplicity of construction and in ease of operation it far excels any hot-water machine now offered to the public. Liberal guarantee of five years given by manufacturers to every purchaser of a Buckeye Incubator.

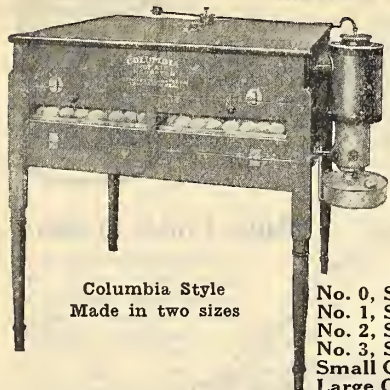
Write for Buckeye Catalogue.

No. 14, Style E, 60-egg... \$8 50
No. 15, Style H, 60-egg... 11 00
No. 16, Style E, 110-egg... 15 00
No. 17, Style E, 200-egg... 19 50

No. 60, Standard, 60-egg... \$15 00
No. 1, Standard, 110-egg... 21 00
No. 2, Standard, 175-egg... 26 00
No. 3, Standard, 250-egg... 33 00

No. 4, Standard, 350-egg... \$38 00
No. 5, Standard, 600-egg... 60 00
Gas Burners for any above... 1 50

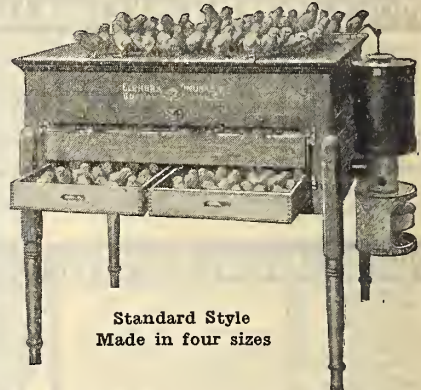
CYPHERS HOT-AIR INCUBATORS



Columbia Style
Made in two sizes

We are the sole agents in Newark and vicinity for the Cyphers Incubators, Brooders, Hovers, etc. The Cyphers Incubator is acknowledged to be the leading hot-air Incubator today and is built to hatch and to last. The manufacturers guarantee every machine to last ten years without repairs. Made in two styles, the well-known Cyphers Standard and the lower priced Columbia.

No. 0, Standard, 70-egg... \$16 00
No. 1, Standard, 144-egg... 25 00
No. 2, Standard, 244-egg... 37 00
No. 3, Standard, 390-egg... 44 00
Small Columbia, 140-egg... 18 00
Large Columbia, 250-egg... 25 00



Standard Style
Made in four sizes

All materials used are of the best, latest improvements in both styles. Write us for Cyphers Catalogue.

SECURITY BROODER

This portable circular up-to-the-minute metal Brooder is made by the Buckeye Incubator Company and carries their guarantee. It consists of one metal shell within the other, with mineral wool packed between them. The Brooder body, held a few inches above the floor by three cast-iron legs, is hung with curtains. There are air-vents in the top and the well-protected oil-burner is safe. Diameter, 30 inches. Capacity, 100 to 150 chicks. \$12.50.

CYPHERS BROODERS AND HOVERS

Cypher Brooders and Hovers are as well constructed and as well adapted for the uses intended as are the Cyphers Incubators. They are not only fireproof and insurable, but are the best designed, the most durable, the most convenient, and the most efficient indoor and outdoor individual hot-air brooding devices thus far placed on the market.

Style A, Outdoor Brooder,
75-chick... \$15 50
Style B, Outdoor Brooder,
100-chick... 19 50
Style C, Outdoor Brooder,
150-chick... 21 00

Style D Brooder... \$14 50
Paradise Brooder, Base
Section... 24 00
Additional section, each... 16 00
Adaptable Hover, 100-chick... 10 00
Portable Hover, 100-chick... 10 00

STANDARD COLONY BROODER

The most remarkable coal-burning Brooder ever invented. It is self-feeding, self-regulating, simple, safe, and everlasting. Cuts the cost of equipment and cost of operation to less than half. Reduces the time and labor to less than a fourth. Simple as a kitchen range. Broods from 100 to 1,500 chicks. \$16. Write us for special circulars.



Standard
Colony
Brooder

From _____

Address _____

J. F. NOLL & CO.

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115 MULBERRY ST.

NEWARK, N. J.

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For Orders From \$ 0.01 to \$ 2.50 3 cents.
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From \$ 5.01 to \$ 10.00 8 cents.
From \$10.01 to \$ 20.0010 cents.
From \$20.01 to \$ 30.0012 cents.
From \$30.01 to \$ 40.0015 cents.
From \$40.01 to \$ 50.0018 cents.
From \$50.01 to \$ 60.0020 cents.
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Applications must be preserved at the office of issue for three years from date of issue.

(EDITION Feb., 1915.)

FOR RENOVATING OLD LAWNS OR
FOR MAKING NEW ONES YOU
CANNOT IMPROVE ON THE

"FORBES" LAWN GRASS SEED

It will produce a perfect lawn in from four to six weeks after sowing. A trial will convince you of its sterling merits. Delivered to you free anywhere in the U. S. at 30c. per quart, 4 quarts for \$1.00, \$1.75 per peck, \$6.00 per bushel of 20 lbs.

(Form No. 6001)

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Order of }
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Address } No. **115 MULBERRY STREET** Street
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sender } No. Street

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RETAIL ORDER BLANK FOR SEEDS,

Plants, Bulbs, Implements, Tools, Fertilizers, Insecticides

Messrs. J. F. Noll & Co., give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, plants, or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

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(ALEX. FORBES, President)

115 Mulberry Street, NEWARK, N. J.

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or Rural Delivery.*

Post Office

County _____ State _____

Station or Exp. Office.

(Only if different from Post Office)

Supt. or Gardener.

(That we may enter his name for Catalogues)

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Bills or Silver, (Register the letters)	
Draft or Check,	
Ex. Money Order,	
Post-Office Order,	
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For Parcel-Post Zone Map, etc., see page 1. If goods are wanted C. O. D., 25 per cent of the amount must accompany the order.

We deliver Free in the U.S. by Parcel Post, or to any Express Office or Freight Station, at our option Vegetable and Flower Seeds by the packet, ounce, and quarter-pound; also Lawn Grass Seed in any quantity. When mailable goods (that do not come under the above case) are wanted by Parcel Post, postage must be added at the zone rate; see page 1.

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INDEX

	PAGE		PAGE		PAGE		PAGE
Abronia	37	Clematis	39	Impatiens	42	Pepper	24
Abutilon	37	Clovers	34	Incubators	68	Perennial Plants	54
Achillea	37	Cockscomb	38	Indian Shot Plant	38	Petunia	35, 44
Aconitum	37	Cobaea	39	Insecticides and Fungicides	58, 59	Phlox	46
Adlumia	37	Coleus	9	Inula	42	Pie Plant	26
Agapanthus	37	Collards	37	Iponicea	40, 42	Pinks	40
Ageratum	37	Columbine	37	Ipomopsis	42	Platycodon	46
Agricultural Seeds	34	Convolvulus	39	Iris	42	Poppy	35, 40, 42, 46
Agrostemma	37	Coronopsis	39	Ivy	37, 43	Portulaca	46
Allegheny Vine	37	Cornflower	39	Jacob's Ladder	42	Potatoes	21
Alyssum	35, 37	Corn Salad	9	Job's Tears	42	Potentilla	46
Amarantus	37	Corn, Sweet	10, 11	Joseph's Coat	37	Primrose	41, 43
Amaryllis	50	Cosmos	35, 39	Kale	15	Primula	46
Amethyst	38	Cress	11, 17	Kaulfussia	42	Pumpkin	24
Ampelopsis	37	Crotalaria	39	Kochia	42	Purple Feather Grass	46
Anagallis	37	Cucumber	13	Kohlrabi	14	Pyrethrum	46
Anchusa	37	Cucumber Vine, Wild	49	Kudzu Vine	42	Radish	25, 26
Antirrhinum	35, 37	Currants	55	Lady's Slipper	42	Rape	34
Apple, Balsam	43	Cyclamen	39	Lantana	42	Raspberries	55
Aquilegia	35, 37	Cyperus	40	Lantern Plant, Chinese	39	Rhubarb	26
Arabis	37	Cypress Vine	40	Larkspur	40, 42	Ricinus	46
Arctotis	37	Dahlias	40, 52	Lathyrus	41	Romaine	16
Aristolochia	37	Daisy	35, 40	Lavandula	42	Rose	47, 53
Artichoke	1	Dandelion	14	Lavatera	42	Rudbeckia	47
Asparagus	1, 37	Datura	40	Lawn Grass Seed	32, 33	Rutabaga	30
Asperula	37	Delphinium	40	Lawn Mowers	57	Rye	34
Asters	36	Dewberries	55	Leek	15	Sage, Scarlet	47
Balloon Vine	37	Dianthus	40, 47	Leontopodium	42	Salpiglossis	47
Balsam	37	Dictamnus	40	Leptosiphon	42	Salsify	27
Bartonia	38	Dielytra	50	Leptosyne	42	Salvia	35, 47
Bean, Butterfly Runner	38	Digitalis	40	Lettuce	15, 16	Sanvitalia	47
Bean, Hyacinth	40	Dimorphotheca	40	Liatris	42	Saponaria	47
Beans	2-4, 34	Dolichos	40	Lilium	50	Satin Flower	41
Beet	5	Doronicum	40	Lily-of-the-Valley	50	Saxifraga	47
Begonia	38, 50	Dusty Miller	39	Limnanthes	42	Scabiosa	47
Bellflower	38	Dutchman's Pipe	37	Linaria	43	Schizanthus	38
Bellis	40	Eggplant	14	Linum	43	Sedum	47
Bird Seed	64	Endive	14	Lobelia	43	Senecio	47
Bitter-Sweet	38	Erysimum	40	Love Grove	43	Sensitive Plant	43
Blackberries	55	Eschscholtzia	40	Love-in-a-Puff	37	Small Fruits	55
Bleeding-Heart	50	Eulalia	41	Love-lies-Bleeding	37	Smilax	47
Blue Bottle	39	Euphorbia	41	Lupinus	43	Snapdragon	35, 37
Boltonia	38	Everlasting Flowers	41	Lychnis	43	Snow-on-the-Mountain	41
Borecole	15	Farm Implements	62	Madeira Vine	50	Sorrel	26
Brachycome	38	Feeders, Fountains	66, 67	Mallow	42	Spider Plant	47
Brooders	68	Ferns	41	Malope	43	Spinach	27
Browallia	38	Fertilizers	57, 59, 64	Malva	43	Sprayers	60, 61
Brussels Sprouts	4	Feverfew	41	Mangel-Wurzel	5	Squash	28
Buckwheat	34	Flax, Scarlet	43	Maple, Flowering	37	Star-Flower	40
Bulbs, Roots, etc.	50-52	Floss Flower	37	Marigold	38, 43	Statice	47
Burning Bush	42	Flower Seeds	35-49	Marvel of Peru	43	Stevia	47
Butterfly Flower	38	Forget-me-not	43	Mathiola	43	Stock	43, 47, 49
Cabbage	6, 7	Four o'Clock	43	Mignonette	43	Stokesia	47
Caladium	50	Foxglove	40	Millet	34	Strawberry Plants	55
Calandrinia	38	Fuchsia	41	Mimosa	43	Sunflower	35, 47
Calceolaria	38	Gaillardia	41	Mimulus	43	Swainsona	47
Calendula	38	Garden Tools, Implements and Requisites	56	Momordica	43	Sweet Peas	48, 49
Calliopsis	38	Gas Plant	40	Monkshood	37	Sweet Rocket	47
Campanula	35, 38	Gentiana	41	Morning-Glory	39, 42, 43	Sweet William	47
Campion, Rose	37	Geranium	41	Mourning Bride	47	Thunbergia	49
Canary-Bird Flower	38	Gerbera	35	Mushroom Spawn	17	Tomato	29
Candytuft	38	Geum	41	Muskmelon	18, 19	Torenia	49
Cannas	38, 50, 51	Gilia	41	Mustard	17	Tritoma	49
Cantaloupe	18, 19	Gladioli	41, 51	Myosotis	43	Trollius	49
Canterbury Bell	38	Gloxinia	41	Nasturtium	17, 44	Trumpet Flower	40
Carnation	38	Godetia	41	Nemophila	43	Tuberoses	50
Carrot	8	Goldenrod	41	Nicotiana	43	Turnip	30
Castor-Oil Plant	46	Gooseberries	55	Nierembergia	44	Umbrella Plant	40
Catananche	38	Gourds	41	Nigella	44	Unicorn Plant	49
Catchfly	38	Grapes	55	Nolana	44	Valeriana	49
Cathedral Bells	39	Grasses	34, 44	Nycteria	44	Vegetable and Flower Plants	31
Cauliflower	9	Gumbo	17	Oats	34	Vegetable Seeds	1-30
Celeriac	12	Gynierum	41	Okra	17	Verbascum	49
Celery	12	Gypsophila	35, 41	Onion	20, 21	Verbena	37, 42, 49
Celosia	38	Helianthemum	41	Oxalis	44	Vetches	34
Centaurea	39	Helianthus	47	Oyster Plant	27	Vinca	49
Centranthus	39	Heliotrope	41	Pampas Grass	41	Viola	49
Cerastium	39	Herbs	31	Pansies	45	Wallflower	49
Chard, Swiss	5	Hibiscus	41	Parsley	21	Watermelon	19
Cherry, Jerusalem	42	Hollyhock	41, 42	Parsnip	21	Wax-work	38
Chervil	7	Honesty	42	Passiflora	44	Wheat	34
Chicory	11	Hop, Japanese	42	Passion Flower	44	Wistaria	49
Chrysanthemum	39	Horse-Radish	14	Pea, Everlasting	41	Woodruff, Sweet	37
Cineraria	39	Hunnemannia	42	Peas	22, 23, 34	Yarrow	37
Cinnamon Vine	50	Hyacinthus	50	Pentstemon	35, 44	Zea	49
Citron	19	Ice Plant	42	Peonies	50	Zinnia	49
Clarkia	39						



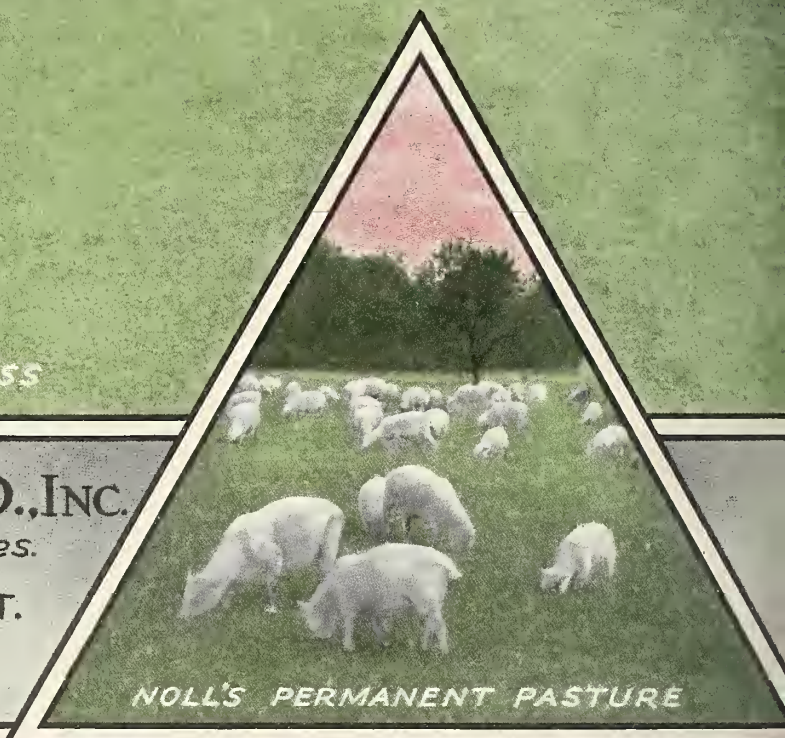
THE "FORBES" LAWN GRASS

J.F. NOLL & CO., INC.

Alexander Forbes, Pres.

115 MULBERRY ST.

NEWARK, N.J.



NOLL'S PERMANENT PASTURE

